

acccattctg tcatcatgct aagactcagg aagcccaaca gatttagctt tctctaagta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcatctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcattg tatcgctcaa cggggtacat 300
 ccaccgtaga taaacaggac cacaacattt gatttctttg accagatgca caatcaagtg 360
 aatcatgatg tcaaagaaag cggggggaga atacatcttc aactggcaca gta 413

<210> 9429
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9429
 tgaaggtgtg tagcctacca tcttttcata gtagaatatt ggtaatgtgt ctactatcac 60
 ggttatcatc tccctttttg tcattgaggg aactacttgg gctgccagggt ctctccacct 120
 ttggacgtat tctttgaaag attcatgccc ctttttgcac atgttctgta gttgcatcct 180
 atccgaagcc atatcagaat tgtattgaca ctgcctaacy aaggcaacca ttaggtcctt 240
 ccaagaatgg actcgggaag gttccaagtt agtgtaccag gtaacagcta cccagtatg 300
 actttcttgg aagaaatgta ttagcagttc ctcatatttt gtgtatgccc ccattcttcg 360
 acaatacatc ttagatgggt tcttcgggca agtagtcccc ttgta 405

<210> 9430
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 9430
 tgtcagatat atatatcgga ttaatttcaa acagtatctt atgcataata ggtgggttcta 60
 gtaataagaa agtttttagtg gttgatgtaa cgtaagaaa tcgaatcttt taagtcatca 120
 cgtttttttt ttctctatat gcaatgtttt aaaaatagga ccaaactgat attactacta 180
 gtccaatact gtgtttctcc atgtaatagt tgcaacattt tttatataaa aataactact 240
 gccacatata taattatgta ttttaacttat ttgtattaaa tataacttaa agagttaa 300
 gataatgtat tgataatatt tttatattat cgtttaatca taattttttg ttaatatgac 360
 ttttaaagta attattataa aagttataaa tacaaattta ttatacataa tggattatga 420

tcg

423

<210> 9431
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9431

agcttagatg gagaagaaga cacagagtgc cagcttctta gggtcacca ttttttttaa 60
aatataactt caacatcggt ttttaaaaaa acccgatgtt aacaaaatga tgttaagggt 120
aacatcggtt ttctggagaa aaccgatgtt atcataacaa acgttaacat cggttttcta 180
aaaacccgat gtaataaac atatgttaac atcggttatt taaaaaccga tgttactaat 240
aaatgttaac atcggttctc caataaccga tgttaatgaa ctctgttaac atcggttttt 300
cacaaaaccg atgttaacgt atacacagta tntacaatta tgccaccgcg catatgttaa 360
catcngtttt ttaacaacc gatgttaaca caccg 395

<210> 9432
<211> 423
<212> DNA
<213> Glycine max

<400> 9432

agcttggaca atggaaagga aatcttgcta aaatcttaga tgaatctect gtaaataacct 60
ctactagaga tcaaatgccc taagactata cttcatgga caataaaatg acatttttca 120
aagctaagaa caaggtagt ctcaatgcat tggtaagaa ctctagagag gcatgcacat 180
ttggaagggtg ccaagagcgt tgcataggcc aaaaggcatc ccggtgtagg caaatgtgtc 240
gaatggacag gtgaatatgg tctagtgtg gtccttcgat gcaatataaa tttgcatgta 300
acctgaaaaa ccatcaagaa agcaataatg tgatttacct gccaaccttt ccagaacct 360
gccaatgaat gagagaggga agtgattctt gcaagttgcc tagttaaatc tcctataatc 420
aat 423

<210> 9433
<211> 352
<212> DNA

<213> Glycine max

<400> 9433

agcttatcat taaaataaat cttaatgggt gatgatgccat tgatctatat ctttcaattt 60
ttgtatgatt acttgtatga tatgtttaaa agtatttgat tgattgctca tgtttttcaa 120
aattattata ttttgtttct aaagccttgt atttggctat atgtttatga aatttgaaca 180
cttagtatga cttgaatatt tatggattgt gatatatgac tatgtgggtt gcattttaa 240
ctgggttttat tcaagatatt atatttgcaa aaactttaat attaagcata aattcaaaaa 300
gaaaaggggt gaaagggatg agtgaacagt acaacaaaaa ttgtatgcat tc 352

<210> 9434

<211> 417

<212> DNA

<213> Glycine max

<400> 9434

tgttaaaaag ggaagaaagt caaaaactct tttcaaatta aaaatgttgt ttctacttca 60
aaacccttg aactacttca catggattta tttggtcct ctagaactat gagtttgggt 120
ggtaattact atagcttact tatagtagat gattactcaa tgttcacatg gactttgttt 180
ttgaaaacaa aaaacgaagc ttttgatgct tttcgcaat tgccaagatg attcaaaatg 240
aaaaaggctt caacattgtt tcacttagaa gtgatcatgg aggcaatttc aaaatgagtc 300
ttttgaaagc ttttgtcaag aaaatggaat tcaccataat tttctgcccc aagaacacct 360
caacataatg gtggtgtgga gaggaataat agatcccttg aagaagctgc gagaacc 417

<210> 9435

<211> 355

<212> DNA

<213> Glycine max

<400> 9435

agcttagcta cacatactc tctaatagct aagctcacct ccttgagatg agaagctaga 60
gcttagctac acactcccta taatagctaa gtcaccctt atgacaaaaa atatgaaaat 120
acaaaaaaaa agtccttact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ctagaatggc caaaatataa ggctacgaa ggaaatacct attctaatat 240

ttgcaaagat aagcgggctc atacttagcc catgggctcg aaatctaccg taaggctcat 300
 gagaacccta gggccttccc ttggatctct agcccaatct acttggagtt ttcta 355

<210> 9436
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9436

agcttaagct ccttcaattg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcgtatgccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgcttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gaataaagag tttagtcccc 300
 attgagcatt tcaagaagag catggaggga gtgtgtcaga attcggtgaa gcagaagccc 360
 tttcttgac aataaagggtg gaattacca gggtagtggc cttgactatg gcaat 415

<210> 9437
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 9437

tgctaacca tggaagctcc taatatctcc cacacttttt ggggtggacc attcttggat 60
 tgctttgatt ttctcagggc ccacttggac cccatttcta ccaactacaa accctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcaaagaggg tgtttttcct 180
 aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta aggcattgatt 300
 cataagcctc aaaaagggtgc ttggtgcatt agtaagccca aaaggcatca ctagccattc 360
 atacaaacca aactttgtct ttgaaagcgg tttccactca tcaccctttt tc 412

<210> 9438
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9438

ajcttagcct gcaaaaaata atgaatatag agttaacatg ttgggtccac aaaccaaag 60
ctagcctaaa cccaatgctt aggcattcac tttaagacta cacagtgtaa catgatagac 120
acaaaacaga aaagatatatt atggaactat aagggcataa aagagttacc ttattgcaag 180
ttgaagaaaa aacaagaaca actttatcaa tgtattccaa agattttgag aagttgcccc 240
aatcatagaa ggactgagtt gtttccaaag cactttgagc ctgcagtagt tgagagagct 300
tattttctgt agctgaatct ccaggtttta actccagaga anatgtacaa ggcgacaatt 360
aactcaagca attacaaact ttatcataat cactagtnca aatatacaga tagtattcaa 420
ttgagaaaat agagaat 487

<210> 9439
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9439

agctatgaaa ttgtggatga gccaaccatg aaattgggac aatgtatctt gtectgtttt 60
caccaacata cactgcaaag tgcccttttg gcacatcttc tggaagacca cctcttctat 120
tgtagccctg ttgctgcttc ttcccaaagc ttgaacacct tctcacaatt tgctttatca 180
catctgcttg gggtagctta ttggattttt tgatggccat tgtgaaattg attgttagta 240
ctctttgcac accttcaagt tgttaacttt gaaagggctc cttgaggggtg ctgaaagtgt 300
gtgattcatg gggcgagttt ggagaggctn tatttatcat tgggacattg gtatgtgtgg 360
aaaatagaca atgagtttta gagaaaacag ggtcacgtgg atgtggtgac atgtagcaga 420
ccacac 486

<210> 9440
<211> 401
<212> DNA
<213> Glycine max

<400> 9440

tccttaagaa gattcctaaa gatgcttgag cttagctaca catacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccctat gacaaaaaac atgaaaatac aaaaaaaaaa aagtccttac tacaaagact 180
 actcaaaatg ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240
 aggcccagac gaaggaaata actattctaa tatttataaa gataagcggg ctcatactta 300
 gtccatgggc tcgaaatcta ccctaaggct catgagaacc ctagggcctt cccttggatc 360
 tctagcccaa tctacttga gttttctacc caatgccctt g 401

<210> 9441
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9441

agcttagaga agcactgagc accaccaac acatgggaat aggaaatctg tccttgatcg 60
 tgagggcgtt taaagctntg taatcaacgt agaagcgcca ggatccatct tgtttcttca 120
 ccaacaatac cagcaaagaa aatggactgg tacttggctg aatcaggacc ttttggagca 180
 tggagtcgat ctgcaattca atctcgcgct tttggaagtg agggtagcta tacgggtctca 240
 tgttaactgg agtggattga ggaagcacgt gaatgtgggtg gttggtgtcc ctagccgggtg 300
 gcatcgcatg gtggggtcga aataaggcac caaatatggt gagcaatggt cggagtagca 360
 agggcaagtc ctccatcgct gaaggaggga tatectctat gagtactgtg atgtggaagt 420
 aaagtccagg t 431

<210> 9442
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9442

agcttaaata caactccga acttagaatt ttcattntga ccagtttctt tcggtttttc 60
 cgatgttttc cacaaataaa cggttggtggc gactccgctc atctttcttc ctttggaaag 120
 cgcacccgtt agcttcgcct tcgctcgccc ttaaaagggt acgttgcgac acctatcaac 180
 aacaacaaat atggaatcct taccattact tgttctaggc agccctaaaa caaagtccat 240

tgataaatta atccatggag aatccgaaat tggtaaaggg gtatacaaac cataaggcat 300
 tacctttgac ttggcctttt tgcaaacaat acaacgctca canaattttet gcacatcctt 360
 cttcatgtta ggccaataaa aatgctcttt caatgtatct 400

<210> 9443
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 9443

cgtaaagctt ttggtgggaa atgatagtga gactcaactc ggataccaac cttgcgctac 60
 aataattgca gcaagaccca ctatccacaa tgggagaaca atttttgttt aaaaccttgc 120
 atcttatatg aaaaatgttc tctctttcgg tttaggctag gtcacaagat tgactcccaa 180
 ggagccttct caccattaga agatcacctt cttcataggg gtaaaccctt tcaatatgct 240
 catcacctt ggcttcaccc ccacttcac ttgaaaaagg agaagaagta gcctcctctt 300
 ggctactata gatgtcttga tccctcatga tcatggtttt ctttgtgggg catcgagaag 360
 caatgtggcc tatcccaata catttgaagc atttgatggt actagttcta tc 412

<210> 9444
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9444

tataattgaa caacgaaagc tctcaagaga tgcaaatggc cataacttat cacacggaag 60
 tccgattcag gcgcataata taccgagacg ctcgaaattg cacaacggaa gccctcaaga 120
 aattcaaag gtcataactt atcacacgga agtccgatta aggtgcatag tatatcgaga 180
 agtcataat tgaacaacga aagctctcaa gaaattcaaa ttgtcataac ttatcacacg 240
 gaagtccgat tcaggcgcac aatatatcga gacgctcgaa attgaacaac gaaagctctc 300
 gagaaattca agtggtcata actcttcaca cggaagtccg attcatgtgc aaaatatatc 360
 gagacgcttg aaattgaaca acagatgc 388

<210> 9445
 <211> 247
 <212> DNA

<213> Glycine max

<400> 9445

agcttgaaat tgaacaacgg aagctctcga gaaattccaa tggtcataac ttatcacacg 60
gatgtccgat ttacgctcat tttttatcca gatgtcccaa atcgaaacatc gaaagctctc 120
gataaactca aatgggtcatg gggttattaca ccgacgtact attttggcgc ataatatgtg 180
ggggcgctga aattgagcaa cgcaagctgt ggagaaattc ataaggtaat aacttggggc 240
actgatg 247

<210> 9446

<211> 444

<212> DNA

<213> Glycine max

<400> 9446

cgctatcagg accttgaaac tcagcttaac aaaggcatgc gaaatgggtg gaattcctag 60
agcaattccc ttatgttatc aaacataaaa agggaaaagg taatattgta gccgatgctc 120
tttctcggcg tcatgcatta ctttctatgc ttgaaacaaa attgattggt cttgaatgtt 180
tgaaaagcat gtatgaaaat gatgaaactt ttggagaaat ttttaaaaat tgtgaaaaat 240
tttcagaaaa tggtttcttt agacatgaag gctttctttt caaagaaaac aaattgtgtg 300
tgccataaat ttctactaga aattttcttg tttgtgaagc acatgaagga ggtttaatgg 360
ggcatttttg ggtccaaaag actctagaaa cattacaaga acatttttat tggcctcata 420
tgaaaaagga tgtgcagaaa tttt 444

<210> 9447

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9447

agcttggtcaa attagtgtat ggattgaaac aagctcaaga gtttggtatg aaagaccaag 60
ttcattttta gttcaaaatt tattctccaa aggaatagcg gatattacac cattcataaa 120
gacttagaaa atggatctgt tgatagtata gatctatgta gatgacagca tctttggtat 180
ttcctcaaaa aggatgtgca aacaattttt tgagctaatag aaaggaaaat ttaaaataag 240

catgatggga gaactaaagt tctttctaag ggcttttaaat cattcaaaag aggttttagaa 300
 tggatgaaac cagaccagtg gctacctca tgcattccatc cactgttagt gataaagcag 360
 aanagaaaag caccaatagt gcataccaat ttcattgggaa atcaactagtg tcataatctt 420
 caagaaacaa cac 433

<210> 9448
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9448
 ttgagcaaat tcaaacgaca ataaatTTTT actctgatgt ccgattgagt ctcgtaatat 60
 atcgagaagc tcgaaatgga ataccaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt ttactcgga agtcggattg agtcccgtta 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttttactga tatgtcggat agagtcccgat aatatattga gacgctcgat atggaatacc 360
 gaatctgtga gcaaattcaa acgacaataa ctttttactc ggatg 405

<210> 9449
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 9449
 agcttcaaca ttcaatatcg agcatttcga tatattacgg gactgaatca gacatccgag 60
 taataaagtta ctgtagtttg aagttgctca gagcttcaac attcaatatt gagcgtctcg 120
 atatattacg ggactgaatc agacatccga gtaaaaagtt aatgtcgttt gaattatctc 180
 agagcttctg tattccattt cgagcgtctc gatatattac gggactcagt cagacatccg 240
 agaaaaaagt tactgtcggt tgaatttgct cagagcttcg ataattcaatt tcgagcgtct 300
 agatatatta cgggactcac tcagacatcc gagtaagaag ttattggcgt ttgaa 355

<210> 9450
 <211> 304

<212> DNA
<213> Glycine max

<400> 9450

tttaaagtgt ttcaatgttt tagaaagcat gtaatcggtt acacatggct tgtaatcgat 60
taccagtggg ttggaaaatt ttaaaacaac cataagaaat ttgaatttaa atttcaaagt 120
tgtgtaatcg attacagtaa gttggtaatc gattaccagt gtttaaaaat tcaaatttca 180
aatgtgaaga gtcataactc ttcagaagta attgtgtaat caattacacc attatggtaa 240
tcgactacca gtgagtagtt ttgaaaaata ttcccaacaa tcacaacttt tcatttgaat 300
tttg 304

<210> 9451
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9451

agcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac cttctttggag 180
gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgaactt 300
gtgaagttta cattgaatcc ttcatcacac aactgactga tgctgatcaa gtttgcagtc 360
agtcctttca ccagcagtac tttgttcaga ctaggaagtn catcatggac tagctttccc 420
attccag 427

<210> 9452
<211> 408
<212> DNA
<213> Glycine max

<400> 9452

tggatgttta acacaatata tacagagatt cagattatta cttacagttt taaaagtcga 60
gaattaaaat caaagatact tgcttttaag gagctaaaat aagaatacca ttaaccctta 120

tcttgaaata cttagttcac ttctctagct actttctttg acattcatgt atatatgcac 180
 tataaagatt aaataatgga gtactaagga cttatctagt tatctaccac aataaatata 240
 tctctcaact tcaacccaat atatagtatt ataaacggct aaatattccc aaaacagaat 300
 atataaaaag atttattttg atgattatca atataaaaat cgttctatta atcaattgaa 360
 aatcatcata actctactgc tatatatggt aatattctaa taaataat 408

<210> 9453
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 9453

tgatgtttgt gttgaatgca ttaaaggtaa acagaccaa agtaagaaat tatgtgcata 60
 tagagctaca gacgtcttgg aattgatata tacagacatt tgtgggtcat ttcataatac 120
 ttcattggaat ggtaacaat attttatatc attcatagat gattactcca gatatgcaca 180
 cctgtatctt atacatgaaa agtcacaatc cctggatgtg ttcaaaacat ttaaagttgt 240
 agttgaaaat caactcaaca aaagaatcaa gagagtcaga tctgaccgtg gtggtgaata 300
 ctatggcaga tatgacgggt caagtgaaca acgtctctgg ccttttgcca ggtacctaga 360
 ggaatgtgga atcgtcccac agtacacgat gtcgaggtca cctagcatga atg 413

<210> 9454
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9454

gatttctcca gatttacctg ggtcaacttt atcagagaga aatctgacac ctttgaagta 60
 ttcaaagagt tgagtctaag acttcaaaga gaaaagact gtgtcatcaa gagaattagg 120
 agtgaccatg gttgaaagat tggaaacggc aaggttactg aattctgcac atctggaggc 180
 atcactcatg agttctctgc agccatcaca ccacaacaaa atggcatagt tgaaaggaaa 240
 aacaggactt tgcaagaagc tgccagggtc atgcttcatg cccaagaact tccctataat 300
 ctctgggctg aagccatgaa cacagcatgc tatattcaca acagagtcac acttagaaaa 360
 gggactccaa ccacactgta tgaaatct 388

<210> 9455
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9455

tgatgatttc ctataggcat atanaacagc cttcaaaact cccattggca tctctttgtt 60
 tcaaatggtg tacgaaaaag tgtgctacct accaatggag ttagaaatta aagctcatta 120
 ggccatgatg ttcttcaact ttatctttat agcatccaga gagaaaagga aggtataact 180
 acaagaactt aaaaaaatat gccacaacgc atatgattta tccaagctct acaaacaag 240
 aaccaatagg aaccatgaca aaaagatcct ctacagagaa tttaggocca aacttcaagt 300
 attgctctac aactcaagat taaagttgtt tcttgaaaa ttaaaatcaa gatggagtgg 360
 gctttttact atcaaagaca ttaagcctta tg 392

<210> 9456
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 9456

agctttgacg tttgtgttga atgcattaaa gataaacata ccaaaagcaa gaaattaggt 60
 gcatatagag ttacagacat cttggaattg atacatacag acatttgtgg gccatttctt 120
 acaccttcat ggaatgggtca acaatatttt atataattca tagacgatta ctctagatat 180
 gcatacttgt ttcttataca tgaaaagtca caatcattgg atgtgttcaa aacatttaaa 240
 gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga ccgtgggtgg 300
 gaatactatg gcagatatga cggttcaggt gaacaacgtc tagggccttt tgccaggtac 360
 ctagaggat atggcattgt cccacagtac accatgccg 399

<210> 9457
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9457

tgaatgcatg taaccaccca tcttctcata gtagaacact agtaacgtgt cttctatcat 60

tattatcatc tccctatcca tcattggggg cgctacttaa gtttccagat tcttccacct 120
 ttgggtgtat tctttgaaag attcattctc cttcttatac atgttttgta gctgcatttt 180
 attcggagcc atatcagatt tgtactgata ctgcctaata aaggcaacca ttacgtcctt 240
 ccaagaatgg attcgggaag gttccagatt agtataccag gtgacggctg cccagtaag 300
 actttcttgg aagaaatgca tcaataattt ttcatttttc gagtataccc ccattttcct 360
 gttgtacatc ttcaagtgat tcttgtggca agtagtcccc ttgtatttat cagaatccag 420
 caccttgaac t 481

<210> 9458
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 9458

taacaaaagg catgcgaaat ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaagggg aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggctttga atgtttgaaa agcatgtatg aaaatgatga 180
 aactttttgga gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
 tcttgtttgt gaagcacatg aaggaggttt aatggggcat tttggggctc aaaagactct 360
 agaaacatta caagaacatt tttattggcc tcatatgaaa aaggatgtgc agaaattttg 420
 tgaacattgc attgtatgta aaaaggcaaa gtctaaggta aagcctcatg gattgtatac 480
 tccattg 487

<210> 9459
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 9459

agcttgtcaa attagtgtat ggattgaaac aagctcaaga gtttggtatg aaagaccaag 60
 ttcattttta gttcaaaatt tattctccaa aggaatagcg gatattacac cattcataaa 120
 gacttagaaa atggatctgt tgatagtata gatctatgta gatgacagca tctttggtat 180

ttcctcaaaa aggatgtgca aacaattttt tgagctaatag aaaggaaaat ttaaaataag 240
catgatggga gaactaaagt tctttctaag ggcttttaat cattcaaaag aggttttagaa 300
tggatgaaac cagaccagtg gctaccctca tgcattccatc cactgttagt gataaagcag 360
aaaagaaaag caccaatagt gcataccaat ttcattgggaa atcactagtg tcatagtctt 420
caaagaaaca acacaattgc catcaaacac cacttcatta gagatcata 469

<210> 9460
<211> 368
<212> DNA
<213> Glycine max

<400> 9460
agcttaaata caactccgga acttataatt ttcattttga ccagtttcct tcgggttttc 60
cgatgttttc cacaaataaa cgttggtggc gactccgcgc atctttcctc ctttggaag 120
cgcaccggtt agcttcgcct tcgctcgccc ttaaaagggc acgttgcgac acctatcaac 180
aacaacaaat atggaatcct taccattact tgttctaggc ggccctaaaa caaagtccat 240
tgataaatta atccatggag aatccgaaat tggtaaaggg gtatacaaac cataaggcat 300
tacctttgac ttggcctttt tgcaaacaat acaacgctca caaaatttct gcacatcctt 360
cttcatgt 368

<210> 9461
<211> 362
<212> DNA
<213> Glycine max

<400> 9461
tatgctacaa acatctacaa tagacctcct caacctcagc aataaaatca gccacaacaa 60
aacaattatg acctctccag caacaggtac aatccccggg gagggaatca tcccaacctt 120
agatggtcga atccttcaca acagcagcag caacaacaac agccttattt tcaaaatgct 180
gctggcccaa ccaaaccata ctttctctca ccattccaac accaccacca ccattaccac 240
cagcctaaaa accaccaacc agtgaagggt cttcacaac tttccttgaa aaacttgga 300
aggcaatgac ttttccaaaa aatgcagttt caccaaaaaa caaaacctc attttaaac 360
tt 362

<210> 9462
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9462

tctaaacttt atacaagaat gaaactctga tgccacttgt tagacaagtg gcttcagata 60
 tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaatctatt 120
 tcaactttctt ttcaagttat aaattccctt aacaatgaac ttcttaaata ttaattcaaa 180
 taaaacaatt tgaatatgaa tataaagcaa taataaacia aggagattaa gggaagagaa 240
 aytgcaaact cagatttata ctgggtcggc cacacccttg tgcctacgtc caatcccaaa 300
 gcaaccgct tgagagttcc actatcttgt aaattccctt tacaagttct aaacacacia 360
 ggacaatcct tcctt 375

<210> 9463
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 9463

tatacagcct acctgcatgc atgctagcta agtcgactgt gccagacagt gcttcttaat 60
 gcctctaact ctctgaaccc actcccgctc gttctcacta agcattcgag ctgattctaa 120
 ctctgcctga taatttgggt tgcgatcgca aagcactgac tgtcaciaaac ttatatgtat 180
 ctttcacata ataagtatac cataccctct actatatccc aagcatgcc aagactgcaa 240
 tcatgatgat aatatgatcc atgccgacta ctattttgcy atagtggaa atctgcctct 300
 tgtaccattg at 312

<210> 9464
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 9464

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggt tgaattaaga tattacaaac tatttcccca attaaaattc 120

tatttcactt tctattcaag ttacaaattc ccttaacaat gaactcttaa ataatgattc 180
 aaatagaaca atctaaatat aaatataaac caataataaa taaaagagtt taagggaaga 240
 gaaagtgcaa actcggattt atactgggtc agccacaccc ttgtgectac gtccagtcce 300
 caagcaaccc gcttgagagt tccactatct tgtaaaatcc ttttacaagt tctaaacaca 360
 caagacaat cctttctttg tgttcagaat tcttttacia caagagaacc ctcttcttct 420
 tatcccttaa agaattagaa agaagagaag aatgaatctc 480

<210> 9465
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 9465

agcttatccc atgcctcctt agcagatggt gcataagaaa tcttctcgaa tgcattcattt 60
 tttaatgctt gatagatgag gaatagagct ttattgtctc tctttcttga atcctttaac 120
 gtctcctttt gtacttggga tagcgaagtc tcattctgtg actcctttta gcatttttca 180
 accatttccc aaacatcatg tgctccaaga agggccttca ttttgatgct ccaaagaca 240
 taggtgctcc cctttagaag cggaacttga aaggataccg ctccattgct tgccataact 300
 atataggaat ttcttatcag aacctaatct ctgataccac tatgtt 346

<210> 9466
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 9466

tgtagtggtg tggttaaatg tctaaaataa aagaaaaatt atgtaataat gtttctttga 60
 agaaaatttt atcagtgaag ataaaatatt ttgaatatga attttgtagt atttttttaa 120
 ttagattagg ttggtgttaa tgatttatta gtgtgttaat aattcatgaa cgtttcaact 180
 ttcatttaaa aaaattagta gatcatattt atttgaagaa agtattttga gtatgaaatt 240
 tattttaata tgaagttgta gtattttttt aattagatta gggttcatttt tttgtgttaa 300
 aaattgataa gcgttcaagt tgaaagtgtt atttgatgat gttttgttgt ttcttgtatc 360
 atatttaatt taatatattt gtagtaattt tgtaattacc tattttcatt ttgaaagtat 420

tattgttaaa attaattatt ttactacta acttcggtca tgaattattt tttttgtgg 480
 taaaaa 486

<210> 9467
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 9467

tagcaaatgg acttgggtgt tgcccaattt catcgtatct tttgtaatac tcaccacctc 60
 tattagatct aataattttc acttttttgt ctaattgtct ttctacttta ttcaagtaaa 120
 tttctaaggc atccattgcc cgagatttct catgcagtaa gtaaacataa ccataacgtg 180
 aatagtcac aataaagggtg ataaagtatc tttcctttcc gaaagaacta acatcaaaag 240
 gtccacaaat atcagtatgc acaatttcaa gaagctgagt gcttcttgta gctcctttct 300
 ttgtatgttt tgttgttttc ccttgatata atccacacaa atatttagat ccgtaaaatc 360
 tagatcatga agaatttcat tctttattaa tcattccatc ctttctctag aaatgtgacc 420
 taaacgttta tgccacaaga aagcagatcg gtcattcact aaactacgtt tagtgataac 480
 attatgatg 489

<210> 9468
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 9468

agcttatcaa accaaagcaa cttctatcta gaacaacttg aagagctata ttagaagaaa 60
 tttcaattgt tgaaatgtat agtaagtcgg tcattctagt acagcataac aaagtcacaa 120
 atactagtac taagttgaag aacatattgc agtatcgagt gtttgctggg tacatatttt 180
 caggttatat acctggagga gttccacaac acatattgcg gtcataata tgctcaactt 240
 caagaccaat gaaccatgca ccaagtgaga catcttcatt agcatattta tgcaaaatcg 300
 gcctgcaatc ataattagac tccacatgaa atttctatat gtaagagaat attctatgag 360
 aaacatggac tgatccccga actgagattt cctattagga aaactttaag tttatgaaaa 420
 aaaaagtttc tttattttta tcaaactctg caaaatgagt atttt 465

<210> 9469
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9469

tgtaggcact ttgaacgcaa tattctccat tattttccat cctccaaatg actattttgt 60
 ttttgtacct tgcataatag gcacttgaag aatgggtattc acatccctta nattgaatat 120
 ttgattaatc acatccatgt ttcaacttcc atgtgaagta tccataatat ttgttacttt 180
 gagatttttc atcccattga ttataagagt ttcaatagtg agattttact tcattctcaa 240
 ctagggttcg ttccaaatac caatattagt accatttccc aactttcatt tatatccttc 300
 ctttatgacc attttagaag agaacatact tcaccatgta aatgatgggt tgtgccttac 360
 taaagcttcc ataaactctc cccttaagaa atatttagct ttgatgactc ttgacagtaa 420
 aacatttagc atagaaaaga tcctccatta ttgctttcct aacatggcaa agttgaaagc 480
 aaat 484

<210> 9470
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 9470

agcttttagg gttaaagtct cactgattgtc acgtgctcat gcaacaattg ttagtcgtgg 60
 ccatatgaga catcttgcca aacaaagtca ggtaacgat aactcgctg tgctttttct 120
 tccattctat atgtagcaaa gtcattgac caatcatgtt tcatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgcgcactctg gtcagagaaa tcaaatgttg tggctctgtt tatctacggc 300
 ggatgtaccg gttgaccgat acatgaaaat cttaaaaggg tatacaaaga atctatatca 360
 ccaccaaca tctaattgtg aga 383

<210> 9471
 <211> 493
 <212> DNA

<213> Glycine max

<400> 9471

tatgtgagag actctataaa ttactctagc tggaacacat gacctcgcaa aatgccttga 60
cttcccacat taaagcaggt gctttgtaca ccgacgccgt ggggtgtgatc acgaccaccc 120
aatcaccctt cttacattcc gcattecceta ccccttctac ctacctcccc acacctaaaa 180
ctacctccac ctgttcctgc accgccaatg ttgtccttcc cggggggcgca gaacctcacc 240
atgtgtccaa atgcgccaca cctaattgat gatccgactc catcagcacc tgaaatggct 300
acaatgccgg cgtctcctgg cacacaatct cttatgaggt ggacgaaccc ctccgatttg 360
aaacaacctc cgccgatgga gccttaaccg acaccagaaa taccgctcct gttgcaatcc 420
ctgggttaggg gtacaaactt gccaaactgg tagcacgcgg agccgcctcc gacattgggc 480
ctggcgccga aac 493

<210> 9472

<211> 439

<212> DNA

<213> Glycine max

<400> 9472

agcttcgaaa ttgtggatga gccaaccatg aaattgggac aatgaatctt gtccctgtttt 60
caccaacata cactgcaaag tgcccttttg gcacatcttc tggaagacca ccctcttcat 120
tgaagccctg ttgctgcttt ttcccaaagc tcgaacacct tctcacaatt tgctttatca 180
catctgctag ggagagctga ttggattttt agatggccat tgtgaaattg attgacagta 240
ctctttgcac accttgaagt tggttaacttt gaaagggtct cttgagggcg ctgaaagtgt 300
gtgattcatg gggcgagttt ggagaggctt tatttatcgt tgggacattg ggatgggttg 360
aaaatagaaa cttgagtttt aaaaaaaca cgggtcacgt tgatgtgggg acatgtatca 420
taccacaccc taatgactc 439

<210> 9473

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9473

tgtgggattt tgtgatagtg attttgccgg agatgttgat gatagaaaaa gtactaccgg 60
 atttgtattt tttgtgggtg atttgttttt tacatggaat tctaaaaaaa aaggcattgt 120
 gacactttct acttgtgaaa ccgatatgt agctgcaact tcttgacat gtcatgccat 180
 ttggctaaga agattgttgg aggaacttca gttgttgcaa aaggaaagca caaagatcta 240
 tgttgataat agatctgcac aagagcttgc caagaatccg gtgttccatg aacgaagtaa 300
 gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaag aagtagaatt 360
 gactcatgtg aaaactcaag atcaagttgc ggatattttc accaagcctc tcaaatttga 420
 aaattttcga agattg 436

<210> 9474
 <211> 492
 <212> DNA
 <213> Glycine max

<400> 9474

tgaacaattc atactcaaaa tgattgttag tcttggaag cttggttgct aggcctctacc 60
 atcaaaaatt gcatgggagc aacttcatgt ttttgactg catgcatttt tgttgccctt 120
 tctccaaca ccttcatttt ctacttttcc agctccttat gtctatgccg tttcttctcc 180
 aatttttggc caactgcaac ttcaatgctt ttctttaaaa acttcttcaa tgtaaattgg 240
 atcttctaca atttttcttg tccaagaaaa actcaaaaca atgggtgatgt ggaaaggaaa 300
 aataaatcct tacaagagat ggctagaaca ctgattagt agtatagcat acaaaactat 360
 ttttggaag aagttgttag tatagtctgc tacattctga atagagtttt tatcagaaag 420
 gttttgagca agactcttta tgaacttggg aaaggaggaa aaccaagtgt atcttacttc 480
 cacatttttg gt 492

<210> 9475
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 9475

tgtaggccta aaatcttctt catcaatgga ttcttttgct tcttggaaga taaatggcag 60
 cggaatggag aaggaagaga gagaggagat gccactttaa ggaaaagatt agtctagaag 120

aagctcacca ccataggagg ccatggataa gagcttggag gaagaaggag atgaatgaag 180
 ggagaaggag agaagaacac gaaatttgtg ctctaaaaga gctctgaaat ctgaagttaa 240
 tattcaaagtg atcaaagttc aaaaaaatgc accacacatg acctctatct atagcctaag 300
 tgtcacacaa aattggaggg aaatttgaat ttcaattcaa atttcacttg aatttgaaat 360
 tgaatttgtg gagcccaact ttggaacca aatttcactt aattatggat tagggaattt 420
 tagttatgg 489

<210> 9476
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 9476
 agcttcttat ccaaggctca tcttgggtgg gaagctcctt cttccatgac ttattcccta 60
 gtggatggca cctcctctca cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
 aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
 gcaagcttcc atcactgcct ttgaggatcg aggatagacg aacaaagcac ctaagaagga 240
 aggagggttcc attggtcaag gtgacctggg gaggtacatc aggagaagat gccacgtggg 300
 aattagagag tcagatgcaa gccgcctatc catccttgtt tgagtcaagt aaatttcggg 360
 gacgaaattt ctaaaagggg aggagagttg ttacacctg agatattata agttattttc 420
 gatgtttaat tgtatttatg tgttatttga ctatatgata gacttgaatg agttaagtat 480
 gccttgacct aatcatgtg tgaa 504

<210> 9477
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 9477
 tatcccatgc ttctttggct gtcgttgcgt tggatatctt ctcaaagtga tcttcatcca 60
 ccgattgatt aatgagaaaa agagctttct tgactctctt tcttgactcc ttcaacgtct 120
 cctttacacc ttggcttacc aaggcttcat cttgctctc gaagccattc tctacgatat 180
 cctacacatc ttgagctcct tgatactcca attatcatag ctgttctttg agagcatcgg 240

catttggaag ggaacaccc cattcgccat cttttgagga tcttgaagct ctgataccac 300
 tttgttgga ataaggttt ttatgtttag gaaaagtgt tatgaatatt ggagactttg 360
 aatagaacct tgatagaaag gagaattctt tatggaggag agaactttgt atttttgctt 420
 gataccaatg tgtaggatta catctctatt ta 452

<210> 9478
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 9478
 ttgagaattt gagaacatga caaaaacaag tgacagtaat atccaagata tacaatggg 60
 tgttggtcaa tgtaccacat ttaatagtac aaactaaaag aacaagaaaa acagaccaat 120
 ttctaggcgt ctcaaaaaa actttaaaaca agacagttca cctaataagt ttttgatta 180
 gtagtaatca tttttgtgta aataaatagc ttaccagagt tcattggact ccacgctgg 240
 aaccgaaaag gagatggtat gttgagaaca gaagcaccag aaacactgtt atgcctggaa 300
 atgggaagat attgcctccg gaaaaacctt ggcacccaat tgccaataca tgataaagca 360
 caaagaagaa gaattaaaga aagcaacaaa aggggcacaa gaacaagagg atttatcttc 420
 atctgaaaaa gctccaagtc acgaagccca aatct 455

<210> 9479
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9479

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgat gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac ggcaagttaa ctgaattctg cacatctgaa ggcacactc 300
 atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg anaaacagga 360

ctttgcaaga agctgccagg gtcattgcttc atgccaaaga acttttctat aatctctggg 420
ct 422

<210> 9480
<211> 383
<212> DNA
<213> Glycine max

<400> 9480

agcttttaaat ggaagtcaag agcacgaaac tgcgcggaca ccgttaactg gtgagcaggt 60
cttccagcgg gttgaacacc ttaatactgt atttggaag acccaaaaga aggataaaag 120
taagagttgc atatggaaga aaagggtccat tttctttgat cttccgtact ggtctgatct 180
agatgttaga cattgtattg atgttatgca ttagagaaa aatgtatgtg acagtgtcat 240
tgggacactc cttaacattc agggcaagac gaaagatggc ctaaataccc gtcaagatct 300
agctgacatg ggcatacgat cgcagttgca tccaaggctc gatggtaaaa aaatatactt 360
gcctccagct ggtcatactt tat 383

<210> 9481
<211> 424
<212> DNA
<213> Glycine max

<400> 9481

tcaacattca atactgagcg ttctgattta ttactgggct gaatcagaca accgagtaaa 60
aagttattgt agtttgaagt tgctcagagc ttcaactttc aatactgagc gtttcgatat 120
attacgagac tgaatcagac atcagactaa aaagttattg tcgtttgaat tatgtcagag 180
cttcgggtatt ccagttcgag cgtctcgata tattacggga ctcaatcaga catctgagta 240
aaaagttatt gtcgcttgaa ttggtcaaa gttcaacat tcaataccga gcgtctcgat 300
atactacggg actcaatcag acatccgagt aaaaagttat tgacgtttga atttgctcag 360
agctttggaa ttcaagttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 420
taaa 424

<210> 9482
<211> 337
<212> DNA

<213> Glycine max

<400> 9482

agctttgagc aacttcaaac aacaattact ttttactcgg atgtctgatt gagaccgta 60
atatctccag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacgataag 120
tttttactcg tttgttcgat tgagtcctcg aatatatcga aacgctcgaa attgagaacc 180
gaatctctga gcaaattcaa acgacaataa ctttttactc ggatgtttcg attgagtcct 240
gatatatccg aacgctcgaa attgaatggg gtacctttga gcaaattcaa acgacaataa 300
ctttttactc ggttgtctga ctgacacgag taatatt 337

<210> 9483

<211> 493

<212> DNA

<213> Glycine max

<400> 9483

tcctcaagtg tcacattctc tagcctcttt gttgagcctc tgttgagcag ataggctggt 60
gttgacacta cttcaccoca aaactccttt ggcaagtcaa aattccttag catacacctg 120
gtcatgttga ctatgggtct attgagtctc tcagatacac cattgtgttg tgggtgtatat 180
gaaggtgtga tctcatgaat gataccctca tcctcacaaa atttctcgaa ttcattgtgat 240
gcgtattcac caccaccatc tgatctgagt ctctgaatcc tgtttccact ttgtgttttt 300
accatcacct tgaatctttt gaaggtgaaa aacacttcac tcttccttct tagcaagtag 360
atccacactt ttcttgagta atcatctata aaggacacaa aatatgaact accccctaga 420
gaaactttct caaaagggcc acacacatca gtatagacca aattcaaaac tgctgaaaac 480
ttagttggta ctt 493

<210> 9484

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9484

agcttaaagg aagtgaagaa attagtatgg gcaaaaatgt ctccgcattg attggtaaatt 60
ctgttcccca aatccctgaa aaatgtaaag atccaggtac attcatcctc ccttgtatta 120

tagggaacag taagtttcac aatgccatgc tagatttagg agcttctatt agtgttatgc 180
 ctctttctat ttttaattct ctatctcttg gtcttttgca gtcaactgat gtggtaattc 240
 atttagctaa tagaagtgtt gcatatcctg ctagtttcat agaggatgtc ttagttagag 300
 ttggtgaact gattttccct attgattttt tatattttga atatggagga gggattttct 360
 aagggatcag ttcccattat tttatgcaga ccttttatga aaactgcttg aacttngata 420
 gatatatata tgcacgcaca ctatctatgg aggttgatga tataactgtt cttttaatat 480
 tcttg 485

<210> 9485
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9485
 agcttgaaga caagactata cgaggtatct tccttgggta tagcaatata tctaagggct 60
 accgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt atactcgttc 180
 aactacctca agaagaagat gaggaagaaa acccaggtga accaccttca cctccatcac 240
 aacaacaaga agagatggag tatccataca gaaaaatttg caccagtagc tcgtcttaat 300
 aagacaaagc tcaactctga tggcaccata cagaaacaca aggcgaggct agtagctaaa 360
 ggttacttac agcaaccgg aatcgactac aatgagacat t 401

<210> 9486
 <211> 495
 <212> DNA
 <213> Glycine max

<400> 9486
 tgataagaat ggatcgaact cctctccttt aaaataacag aattaatggt aataaggagt 60
 gatatttgaa agaaagccac aacatttatt tttcttactt attttaaagt taatttacia 120
 agtaaaaaac ttggaacaat tcgtttaata ttaattagat cttgacttta atatcttcaa 180
 attaatctct ttaaaaaaaa tatcttcaca ttaatgtgca tgaaacaaaa caaaaataat 240
 tcaattaaag aaacatctac cttataattt tagagataat tggcgattcc cgatataaaa 300

tacaaagaca gtcgactttt caattttttg gtagatggca aatattggat ttggtctttc 360
 atagaatttc aatgaactca aagtattcct ggtaaggtaa gtatttttgt acattgaaca 420
 tttttttata catataagtt taaaaatatt taaaagaaga ttaatttaat tgatataatg 480
 ttaaaaaaaaa tgaat 495

<210> 9487
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 9487

agctttgcat acttccccgc cgcgtttaga agatcacccg cggcgtccgc caactttgcc 60
 ttgtccacct tgtcgtcttc cctcttttagg gcggaactgc ccgcctccgc caccagcttc 120
 gcgctcgcga tgagctcggg ggtcgactgc tcgctgggtg gcttaatgtt atgggattct 180
 tcggaagcca ttgatacaat gttacttgct tattgcagct ttgagagaa ctgttctgtg 240
 ttattttatag atgtcactat gatattagta taaaagtgtt tctttcaaata aataataaac 300
 tttatattta attattttatt tacttgctat agcctctaaa tttatctttt tttaatcctt 360
 aaaagaaatt ttttaagttta ctttttaaat tattaataaaa tagaatattt ggtgttaaaa 420
 gtttaacaaa ttttaataata ttaatccttt tta 453

<210> 9488
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9488

tttagcaaca tttttattta atgttattga aaaaatattc ctaaaagcca catgtgtagt 60
 agtgataaat catgcatctt aatcggttatt ttgaatagaa taagaaattt tagcaaagag 120
 taaagagaaa tacaaacaag aaagtctacg cacaatgaag tgcagaaaaa aaaactaaga 180
 atgcaacaag aatgcccaat cccattttatc atagagctta gtgaatctaa gattcacatt 240
 ggttcctaac actaaagaat taagtttagt aattttggaa atcattgagt actatttggt 300
 atattttatt gaatgcattg atgtgttaat aatattattg aatgctttct ttattgagaa 360

tattacatca ataaattgtg gttgatcttt tagaatttat tttattcact gggattaatg 420
 ttgaaagtga ggagacttga acacttagtt ttcttttaac tacatttggt tcagaatana 480
 gtgtacgatg tgg 493

<210> 9489
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 9489

agcttgtagg cattggatat tctttattaa tggagtcatt tgcttcttga tgttcattgg 60
 cagcagaatg gagaaggaag aaagatgatt ggagacacca cttcaaggag aagatgagtc 120
 aaacacaggc tcaccaccat aggaagccat ggataagagc ttgaaggagg agaaaatgag 180
 gggaggtaga aggagagaag gagcacgaaa tttgtatct caaatgaggt ctgaactttg 240
 aattataatt ttcaaagat caaagttgaa aaaacgcaca cacctggcct ctatttatag 300
 cytaagtgtc acacaaaatt ggaggggaaat ttgaatttct attcaaatct cacttgaatt 360
 tgaaattgaa tttgtggagc ccaaaatttc actaaa 396

<210> 9490
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 9490

tgctttgaga aaaatctaac gacattttct ttttaactcg atgtctaate gagccctgca 60
 atatatcgag acgctcgtaa ttgaaaacgg aagctctaag aaaagtcaaa cgacaataac 120
 ttttaacttg gatgtctgat cgagccctat aatatatcaa gacgctcgaa attgaaaacg 180
 gaagctctaa gaaaagtcga acgacaataa cttttaactc ggatgtccta ttgagccctg 240
 taatatatcg agacgctcga cattga 266

<210> 9491
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9491

ttgatgcaac atttggagag gttaatgaaa caaccagatg atgcgctcca tgagaggttg 60
 gatcaaatgg agaatagaga tcataatgaa gaacaaagga ggagaaaagg gaatgattgt 120
 gttectagac aaaaccgaat tgatggtatt aaactcaaca ttctctcatt taaaggaaag 180
 aatgatccgg aggcctacgt tgagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
 aactttgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctacc aaaggagaga gccagaaatg aaaagccaat ggttgattca 360
 tggacggaga agaaaaa 377

<210> 9492
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 9492
 agcttatgac cattcgaatt tctcatgtag ttccgctgt tcaatttcga gcgtgtagat 60
 gagttatgtc cccgaatcgg acatctgtgc gaaaagttat gaccattcga ttctctcgag 120
 agcttccgtt gttcaatttc gagcgtctcg atatattatg accccgaatc ggacatctga 180
 gtgaaaacgt atgaccattc cattttctcg agagcttccg ttgctcaatt tcgagccgtc 240
 tagatgaaat atgtccccc aaccaatcat ttctagttaa aacttatgac cattcgaatt 300
 tctcgagagc tctctgttgt tcattt 326

<210> 9493
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9493
 ttcatgggg ctctggataa atttttaggg tggaggatac accaacaatg ctaggcaatc 60
 aattcgtggg gctccagact cgatgctgga ggatgcatga atgataagca ttcataggg 120
 ctccggataa gatttgaagg tggaggatac acgaacaacg ctaggcaacc aattcgtggg 180
 gctccagact cgatggtgga ggatgcgtaa atgacaacca attcatggaa ttccgaaaaa 240
 gatttaaggg tggaggatag acgaacagcc cctagaaatc aattcgtagc gctacagact 300
 cgatggtgga tgatgcctga atgatttgca ttttaaggag atccggataa ggattgatgg 360

tggaagaaaa aagaaaaccc tctaggac

388

<210> 9494
<211> 282
<212> DNA
<213> Glycine max

<400> 9494

agcttggtcc ccaacactct gttcaagctc tcccaaaatc tagaggtaaa tctaggatct 60
ctatcagata ctatgctaga tggcacacca tgtaacctga caacctcact tatatacaag 120
gtggtcaact tcttcaagga aaatatgata ttaatgggaa cgaagtgagc agacttaatc 180
aatctgtcaa caataaccca gatagaatct aaacctctag gggctcctaag tagtcttacc 240
acaaaatcca tggaaatact gttccacttc cactggggta tc 282

<210> 9495
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9495

tttctnntta tgaaacatat ngaaactgat ttgctagtct tctatggcca tttgtagttt 60
cctcttcccc atgtctacca cacagcttgt ggtggataga aaaggtcttc caagaattaa 120
gggaatgtca gcatcttcat caatgtccat cactacaaaa tcagctggaa agatcaaattg 180
tttgacctta accaaaagggt cttcgatcac tccatatggg cttgtgaatg agcgaccaac 240
catttggagg gtcatgcgtg tggcaattat ctctatctct ccaagttgcc ggcacatgga 300
gagagggcat taattgatac tagctcccaa gtctatgaga gctttaccca caaacaccct 360
ttgccaatgg aacatgggat agtgacactt tccggaatct ttgtgccttt aggggaaaga 420
tgcgttgaat acccacacta caatttcctt tcaataactaa tcataccctg gggatttccc 480
ggtttttttt 490

<210> 9496
<211> 610
<212> DNA
<213> Glycine max

<400> 9496

agcttgtaat aaataaataa aaacaaagtt ctttacaagt ctttacttaa aacggaacaa 60
 ggaattaaag aatgaccaag cttgattaca cacactccct aattgttttg tttgttggtg 120
 ctataattag atcatgtctt acaaaaagga gatctaattt aagaacattt aaatacaaaa 180
 gtgtcatctc ttacttttta tctctagtat gaattatata ataacatcat atttacgttt 240
 aattatttga cattcgaatt aataaaacttt aaatacaaag aaatttaaag tggatatggac 300
 gatcgacca cagaaatatg taatccttta acttcaaatt atgtagcatg aaaaaatcta 360
 aaataacaag aatgggttagt ttactgaaaa gatcctatta taattcgtaa agtgaactaa 420
 tcaatattta taaatacgag tttttatttt agaacatatt taatatattt taatcttggg 480
 aaaagtgtga ctttatcatt atttaatat ttaaaacctt aaagctaatt aatttttttt 540
 tacattatta tctcccaaaa aaattatcct aaattttttt atggaaaaaa ttttttaaaa 600
 tttagctttt 610

<210> 9497
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9497
 tcacatgatt gatagtgggtg ttagatttgg tcaatttgaa ggcaagatat gggaggagtg 60
 ataaaatttt cactgaattg cttgtgttgt tgaagaagat gatccctaaa gataacaagt 120
 tgttgaatat tcactatgag gtgaagaaaa tactatgtcc tattagtatg gagtaccaga 180
 aaatacatgc atgccttaat gattggatac caaaaaatga gtttgcagaa atgcataagt 240
 gccctacatg tggggtatcg tgatacaaag tgaaggatga tgactacagt aatgatgaaa 300
 gcacacaaaa aaaccatcca acaaaggtgt gttgctatct tccaataatt tcaatgctta 360
 agtgattctt tgcttatgga g 381

<210> 9498
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9498

agcttttagtt gcccttatt accttaaata aacaaagcct gtggttaacta tgaattcaca 60
 aaggtatcac aattaaagaa attcaaatac ttcaaggatt gcagacaatg tggtcacaac 120
 taataaattg cagagctaaa aacttctaac taaatgctta ggtgtaacat aaatgggaaa 180
 atcaaaattht tgatacttac tgggtatagt tcaaaatcaa tatctggccc aatgtttaat 240
 atgttcagaa cctcagcttht tgccaagtca tctatthta cacttgtaa gaactcattg 300
 atgctctctc ttgtttgaac agaggcagca gtgtcaacca aataatcata aacctgctag 360
 atatacaaca cattcatcta ccaaataaaa cttacaagta ttctatthta ttagaaaaac 420
 caaatctaac cttgtatnca gactatgcta ctttggc 457

<210> 9499
 <211> 490
 <212> DNA
 <213> Glycine max

<400> 9499
 tgtaatcgat tacacacaaa ctgtaattct attaccagag catatthtca gaaaatattc 60
 tcaacagtca catctthttht ttgggtctt gaatggctat caaaggccta tatatatgtg 120
 acttgagaca cgaatttgaa aagagthttht caaaacaaaa aggtcttatt ctcttaaaaa 180
 gcaaaatcca thtatctctt tacaaattcc ttggccaaaa cacttgatgat tcaataagga 240
 attatthtgag tgctcaaatt gttcaatcta tctctthtcaa gagagatttht ttcttgcttht 300
 cttctthtatt ctgaaaagggt ataaagagat cgagggtctc ttgttgatgaa agaattctaa 360
 acacaaagga aggattgtcc ttgtgtgttht aaaacttgta aaaggaattt acaagatagt 420
 ggaactctca agcgggttg c ttggggactg gacgtaggcc ccaagggtgtg gccgaacca 480
 gataaatctg 490

<210> 9500
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 9500
 agcttgaaat gttagccaac gaattgtatt attataggcc ttgagtcata agcgattctt 60
 ggcatcttgt tctgaacttht gcacatttht gatgttcttht atgtgcttht actgattcaa 120

caagtcttta caagccttta ttgcattgat atgtggcgag caaggactat ctccaatgtg 180
 attaacaat gcacaatttt ttcagcatta acctttctac atgatctaaa tctttgtata 240
 ttaagacatt tgatccaaaa atgatcactt tgctttgtac tgaatagatc gcataacaga 300
 cagttaactt tatcattaaa tggggaatac tttatcccaa aatgaaacat tttaaaccaa 360
 gtacattgga aatgccttgg atcgttctct ttaaaaaagg gtaattttgg aattttattt 420
 ggtatggacc ccctttgata 440

<210> 9501
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 9501
 tataatatat tgatacgctc gaaattaaac ctcggaagct ctccacaaat tcaaattggtc 60
 ataactattc acacggatgt tcaattatgg cgaatcacat atcgagacgc taaaaattga 120
 acagcggaag ctctcgagaa attcaaattg tcataacttt taacactgaa ttccgattca 180
 ggattataat atatacagac gctcgaaatt aaacattgga aggtctggag aaattcaatt 240
 ggttataact tttcacacgg atggccaatt cggggtata atatgtcgac acgcttgaaa 300
 ttgaacaacg gaa 313

<210> 9502
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 9502
 ttgatgcaac atatggagag gttaatgaaa caacgagatg atgcgctcca tgagagggtg 60
 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaa 180
 aatgatccgg aggctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
 aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccca ctatgctctt 300
 ggggtggtgga accagctaca aaaggagaga ccaagaaatg aagagccaat ggttgatata 360
 tggaccgaga tgaaaaagat 380

<210> 9503
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 9503

agcttataat atattattac actcgaaatt aaacatcaga agctctcgag aaattcaaatt 60
 ggtcataact tttcaccgga atgtccgatt atggcgaatc acatctcgag acgctcaaaa 120
 ttgaacaacg gaagctcttg agaaattcta atggtcataa cttttaactc ggatgtccga 180
 ttcaggcgca tcacatatag aggcgctcga aaaggaacaa cggtagctct cgagaaattc 240
 tcatggatcat aactttccac actgaggggc gattaaggat tataatacct cagcagctc 300
 gcaatttttc actcgtaagc tctcaagaaa ttca 334

<210> 9504
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9504

tctgggtggga catcttgact tgctttccta tctgacattc accacagatt ctgccttctt 60
 ctatttacag attgggaatg cctctaacaa cacctttgac aatgattttt ttcataacctc 120
 ttaaattgcca atgtccaaat ctttgatgcc ctattttgac ttcattctct ttggagaata 180
 gacatgtgga ggaataactg gcttcttgag gtgtccatag gtaacagatg tactttgatc 240
 tgctgccctt cattataact tcaactctct tatttgtgaa caagcattct gactttgtga 300
 agttcaaattg gaatccttta tcacacagct gactgatgct gatcaagttt gcattcagtc 360
 cctttaccaa caagactttg t 381

<210> 9505
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 9505

agcttgagaa actcatccaa ttccacagta tacaccatca gatgaaaccc aatgaaaatt 60
 ttgaagcaac tgagcgagcc aaagatgaac cgaggccaaa ccaagggcct tcccaggaca 120

cactcttctt ccagaccoga aaggtgccaa cctcaaatca gaccccattha tgctcacatc 180
ctcttccaca aaccgctcgg gcctaaactt ctggggctcg gccacacccc tctcgtcgtg 240
ggttatggcc cacatgttca ccatecggtt ggtgcccttg agaatcacgt gcttgcgcgc 300
aaccgtaacg tcgtgcacag caaggcgagc ccacgagagt agcgggcctg gtgggtgcac 360
acggagggtt tcttttacta tgcactgaag ggagcgcagg ttt 403

<210> 9506
<211> 432
<212> DNA
<213> Glycine max

<400> 9506

agcttaagct ctttcaattg cacaatgctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcaccgcac gaagacactg acaaaaactt atcttctcct tcttggaaca agtatggcag 120
gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgccctg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt ctcccatatg 360
caactctgaa ctttatcctt cttttgggtc ttcccaaata cagtgtttat gtgttgaacc 420
cgctgatata cc 432

<210> 9507
<211> 484
<212> DNA
<213> Glycine max

<400> 9507

tcaagaaaaa gatggcctca gcaaactcct tatttccata agggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccatt actggaaaac ccaaagcaa atttgtattg 120
aggcaataaa cctaaatatt tgggaagcca taaaaatagg gccttatata cccaccacag 180
tggaagaat tacaatagat ggcagttcat caagtgaag tataacttta gaaaaacctt 240
tagatagatg gtctgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
taataacatc tgccctggga atggatgaat atttcagggt ttcaaattgt aagagtgcata 360

aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgta aaaagatcta 420
agataaatgc cctaactcat gagtatgaat tatttagaat gaatgcaaat gaaaatattc 480
aaag 484

<210> 9508
<211> 399
<212> DNA
<213> Glycine max

<400> 9508

tgcacacaag attctccttg cctggcactt caaaaccttt tggttggggc atataaatgt 60
cttccgctaa atccccatgc gagaatggag ttctaacatc taactgctcc aagtgaagat 120
tctttgtagc tacaatactc agaataactc tgatggtagt catctttaca actaaagaga 180
agatctgtgt gaaatcaatt ccttgttctt gctgaaacct tttcaacaca cgtctcgct 240
tgtatcttct tctaccgtca gattcttctt ttagectata caccactta ttctgtaaag 300
ctttctttcc ttctggaaat gtaattaaaa accatgtctt attcttctga agggatgaca 360
tctcatgttt cattgctagc tcccactaaa tagagtcac 399

<210> 9509
<211> 420
<212> DNA
<213> Glycine max

<400> 9509

tcaacatcag accacttcca ggggtgctgga actacttctc atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgcggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaagactg tgatcatcaag agaattagga gtgaccatgg 240
cagagagttt gaaaacggca agtttactga attctgcaca tctgaaggca tcaactcatga 300
gttctctgca gccatcacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
gcaagaagct gccaggggtca tgctttatgc caaaaaactt ccctataatc tctgggctga 420

<210> 9510
<211> 303
<212> DNA

<213> Glycine max

<400> 9510

acatetaact gcttcactag aggatacttt gtagctgcaa gtctcagaat agctctgatg 60
gtccatatct tgacaactac aaagaacatc tatgtggaag agattcctcg ttgttgctga 120
aaccctttca ccacaagtct cgccttgat cttcttatac cgacagattc ttccttttagc 180
ctatagaccc acttattctg taaagctttc tttcttctg gaaatttcaa tataaaccat 240
gtcttattct tctgaagggt ggcattctatt tttattgtag ctccactaat agagtcattc 300
cct 303

<210> 9511

<211> 280

<212> DNA

<213> Glycine max

<400> 9511

tgaatcggac atccgtgtga aaagtgatga tctttctatt tactcaagag ctccattgg 60
acaatttcga acatcgtgat atattataag cctgaatcgg acgttcgcgt gaaaagctta 120
gaccatctgt atttatcacg agcttacgtt gttcaattac tagcccttg acactttatg 180
cgctgaatc ggatatccct gcgaaaagat atgaccattt gaatatctgg acagcttttg 240
atgtttaatg gcagcgtttc aatttattat tagcccgat 280

<210> 9512

<211> 373

<212> DNA

<213> Glycine max

<400> 9512

tcaacattca atttcgagtg tctcgatata ttacgggtct caatcagaca tccgagtaaa 60
acgttattgt cgtttgaatt ggctcaaagc ttcaacattc aatttcgagg ttctcgatat 120
attgcgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaaa tggctcggag 180
cttcaacatt caatttcgag agtctcgata tatgatggga ctcaatcaga catccgagta 240
aaatgttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gggctctgat 300
atttaccgga ctcaacagac atccagtaaa agttattgtc gttgaatggc tcaagcttca 360

acatcaattt cag

373

<210> 9513
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9513

tccatcaagt tatgaccatt tgaatttctc gagatctttc gtggntcaat ttcgggctc 60
tccatatgtc atgtgcctga atcggacctc cgtaagaaaa tttatgacca tttgaacttc 120
tctagagctt ccgttggtta atttcgagct tctcgatata tgatgtgcct gaatcggaca 180
tccgagtga tagttgtgac aatttcaatt tctccagagc ttccgttggt caattttgag 240
cgtctcgata tgtgatgttc ctgaatcgga cctccgtgtg ataacttatg accatttgaa 300
ctgctctaga tcttcctggg atcaatttcg ggcgtttcca tatgtgatgt gcttgaatcc 360
gacctccgtg tgaaaagtta tgac 384

<210> 9514
<211> 395
<212> DNA
<213> Glycine max

<400> 9514

ctaagctatg ctgctacatt tatatagacc tctcagcat tttcttttct tctcagaata 60
attatgacct ttcgagcaat agatacaatc cagggttgag gaatcatcaa tatctgagat 120
ggacaagtcc tccataacaa caataacctg tccctccttt ccagaatggt gctgggtcaa 180
gcaagccata tgttctctct ccaatacagc cacatgttgt aggaagtaca tatacttttg 240
acttgcttta tgagggtacag gctaaggaac cttcttcttc tctaccctg agtctccca 300
ttggtcaacc accacccaca ccagagttga agcccttacc agctaacctc aattatgctt 360
acttgaggga caaggaaata gttccagtga tcatc 395

<210> 9515
<211> 378
<212> DNA
<213> Glycine max

<400> 9515

tgaaggtaga agacgatgaa tggagggaga atgtgtctta catggcctct atttatagct 60
 taagtgtcac acatggcctc tatttattca aatttcactt gaatttgaaa atgaatttgt 120
 ggagccaaat tttggagtca aaatctcact aattatgatt actgaatttt agctatgggt 180
 cagctcacta atccaagatc aagtccaaga ttctccacta agtatggtta ggtgtcatga 240
 ggcattgtaa acataaaaga catgcacaaa gtgtgactat atgatgtgac aatgggggtgt 300
 agcaagcaaa tgctcacctc cccctctaaa attaaatgga tgggcttctc tcaattaatt 360
 aaatttatcc caaccaca 378

<210> 9516
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9516
 ttatacaact gaaacatggt agagaagtag tgtacacttt gcacgtcat tctctaaaac 60
 ctcacacccc ttacagatga ttgaaaaaaaa ctcttaattg aagtcaaagc acgaaactgc 120
 gccgataccg gtgactagtg agtaggtctt ccagtgggtt gaacacctga atactgtatt 180
 cygaaagacc caaaagaagg ataacagtaa gacttgcata tggaagaaga ggtccatttt 240
 ctttgatctt tcgtattggt ctgatctaaa tgtagacat tgtatcgatg ttatgcatgt 300
 agagaaaaat gtatgtgaca gtgtcattgg ggcgctcctt aacatttaag gcaagatgaa 360
 agatggtctg aatac 375

<210> 9517
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9517
 tctggtggga catcttgact tgctatccaa tctgacattc accacatatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcacgcctc 120
 ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcaccttct ttggaggata 180
 gacatgtaga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct aatcaagttt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactag gaagttcatc atgaactagc tttc 414

<210> 9518
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 9518
 actaagctta accaagggag atggaccatt tcaagttctt gatttaatca atgacaatgc 60
 ttacaaagtt gagctgcccc gtgagtataa tgtagttcc accttcaatg tctctgattt 120
 atctcttttt gatgcacatg gagaatccga tttgaggaca aatccttctc aagagggaga 180
 gaatgatgag ggcattgacca atagcaaggg caaggatcca cttgaaggac ttggaggacc 240
 tattgatgag gacattgacca acagcaaggg caaggatcca cttgaaggac ttggaggacc 300
 tatgacaagg gctagagcaa ggaaagccaa tgaagctctt aacaagtgtc gtccatacta 360
 tttgaataca gcccagtttc agga 384

<210> 9519
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9519
 ntatccaact taaacatgga aagaagacaa tatatatctg gctctgaaga tttctaaaac 60
 cttatcaccg gtatcgacga tttaaagaaag cttttaatga gagtcaggaa aatgaaagtg 120
 ccccaaaacc attagctaga aaagaagtgt atgatcgggt caaggacata gtaactatca 180
 ttgggaaaac ccaaaaaaag ccatcatctg agacaaacat atggaagaaa aggtcaatat 240
 tctttgatct tccatactgt tctaactctg atgttagaca ttgtatagat gtgatgcatg 300
 tggagaaaaa tgtttgtgat agtttaattg acacccttct taacattaaa gggaagacaa 360
 aagatggttt gaacagtcac caatacttgg tgaaatggga tccgacatc 409

<210> 9520
 <211> 388
 <212> DNA

<213> Glycine max

<400> 9520

ttgatgtttg agttgaatgc attaaaggta aacagacttt atgttataaa ttatgtgcat 60
atagagctac agacgtcttg gaattgatac atacagacat ttgtgggtca tttcatatac 120
cttcatggaa tggttaacaa tattttatat cattcataga tgattactcc agatatgcac 180
acctgtatct tatacatgaa aagacacaat ccttggatgt gttcaaaaca tttaaagttg 240
ttgttgaaaa tcaactcatt aaaagaatca atagagtcag atctgaccgt ggtggtgaat 300
actatgtgcg atatgaacgg tcaagtgaac aacgtcctgt gccttttgcc ggaacctata 360
gaatgtggaa ttttccatag ttacacat 388

<210> 9521

<211> 329

<212> DNA

<213> Glycine max

<400> 9521

tctacacaca caatgatcct accaagaccc tttgcattat catcagtggc agacattatt 60
ggacttctgc cactcttaaa ttcagccaag acccaatccc tttcatcctg gtttttatca 120
ccatggatgg atagtgtggt ccatccatac actctcattt gtctggtaac ttgaacacat 180
cccttttttg tctccataaa tattaaaatt cggctcccgt ccatcacttc ttttagcagc 240
ctgattttatc tacattttca agctaaagtg ttaatttgga aagaaaaagc atcaaacact 300
gtcgggtctat tattattgat gacgcaaac 329

<210> 9522

<211> 337

<212> DNA

<213> Glycine max

<400> 9522

acaaatgggt gttgggtcaat gtaccacatt taatagcaca cactaaaaga acaagaaaaa 60
cagaccaatt tctagcgctc tcagaaaaaa acttagacaa gacagttcac ctaataagtt 120
tttggaatag tagtaacat atttgtgtaa atacataacc taccagagtt cattggactc 180
catcgctgga accgaaaagg agatggtatg ttgagaacag aagcaccaca aacactgtta 240

tgccctggaga tgggaagata ttgccctcgg aaaaaccctg gcgtccaatt gccgatacat 300
gatagagcac aaagaagaag aatataagaa agcaaca 337

<210> 9523
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9523

tcacatcttt ataaagacat actcgattga gagggattta cattttaaan gnacggagag 60
gatatgatgt atttaaggta tgaaaagtct ttatacctaa aaaatgtttt aaaaaaatat 120
ttcttaattt atcatgatat ttgtgtaaaa tattttattga taatgaattg ttattaaata 180
actagctggg actgtttttt ctctagtttt acacaataac tgataaacca aaaggcctaa 240
tttgagaaat ataagttata caaacctaata gaacacttat aatatattat gccataaaaa 300
tatatttaat tgtatatata ttagaaaatc tccaaccaat aaatccatca taggtttctt 360
atttaaagag aattttatct aatacatctt agagtaaata ac 402

<210> 9524
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9524

tgtgtagcac tatccactgc anaagcaaaa tacattgtta ctggaagttg ttgtgctcaa 60
aatctctgga tgaagcaaca actagaagac ttgggggtaa ctcttgatta cattcctcta 120
aaatatgata acaactgtat aagaatcctg tcatgcattc tagaactaaa catatagaga 180
ttaagcatca tttctaagag atcatgtatc taaaggatg ttgtgcattg aatttggttg 240
tagtgaacat caactagcta acatctttac taaacctctt gctagaaata gggtcttcta 300
gtcaagggtg tctacacatg tggtagtgtc gaccttgaag gtaatctttt ctttactatt 360
aatggagtag acattgtcat agatgctgct gtgtgaaagg aagttattag tctggacatt 420
gggtggagtcc gcaagtttga tg 442

<210> 9525

<211> 349
 <212> DNA
 <213> Glycine max

<400> 9525

agcttgcata caagattctc cttgcctggc acttcaaaac cttcttggtg ggtcatatag 60
 atgtcttctt ctaaattccc atgcaagaat gcagttttta catctaactg ctccaagtga 120
 agattctctg cagctactat gctcagaata actctgatgg tagtcatctt tacaactgga 180
 gagaagatct ctgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 gccttgtatc ttcttctacc gtcagaatc ttctttagcc tatagacca cctattctgt 300
 aatgccttct ttcttcttgg caatttagtt aaaagaccac gtcttattc 349

<210> 9526
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9526

agcttgtatt ttgtttatct taatccctgt aacatactcc attggcagaa tctgcattgg 60
 aaacatagat aatagataaa taagctcaga cataaaatgg aaaatatgtg cattactaca 120
 tttggcataa taagagccat gaagggtaaa cctgtggtgt ggtataatcc cagtagattg 180
 taggaacttt cacataatcc atgttcttaa agttacttgc aaacaattct gcattagcag 240
 cctccttggg gtaatcaatc tctgaaaat tattaatcca tgttgagta acaggatccg 300
 agaatgtatt cgtgagaaac acgtgcatac atcataccat aa 342

<210> 9527
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9527

agcttgcctt tacaatgcct tgtatttcat tcaaatcgta gccttacaaa gcaatatcat 60
 ccacataaac taacagagca atgatagtgt tgaatccatg cttgagaaac aaagaatgat 120
 atgaagcaca ttgcttgtac ccatgtgaga ttagaaagaa agacagcctg gcataccact 180
 gcctgctggc ttgtttcagt ccatatagct aataacattc ttatgctgag gcatataagt 240

taaaacctta atctttgcat tcattgctc tatccatata ggatccttag aagcttcatt 300
 ataggattga ggttcaagac tttgtgtaat ggataaaatg atattgtgat aagaaggaga 350
 caatttgcta tatgaaagaa caatattata ggatagagac aagta 405

<210> 9528
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9528

attatggtgt gtaagaatga taaatggatg ccctaactta tattggcgcc attttcagac 60
 tgcagtgggtg atggcatgga gctctcgat atatgtggag gcgtgatgta accgggggca 120
 gaaaaacttg ctaaaataag ccaagggatg gcctgttgc atgagaaca ccccatcgc 180
 gatacctgaa gcatcagtct taagtgtgaa tggtaatgaa aaatcatgga tggccaagac 240
 tggggcctgg gtcattggctc gcttgagtc ctctaaagcc gattgagcac cctcgccca 300
 atggaagtta tccttttgta aactgcggt t 331

<210> 9529
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9529

agcttctgta cctgagttac tggatctttt aagacaacag ggagtgaaga ttgctgaaaa 60
 cctatcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
 tattgtgagt agcattttga aagacgctc tgttctgat gctgagaaag atgttccaac 180
 atcctccacc ccagatgttg ctgtccctga agctgatgaa gatgtccaa catctttcac 240
 cccgaatgtt tctgtgctg atgttgagaa agatgttcca acatctttct ggccaaatgc 300
 tgaagaactc tcttccccca gcaaagagag atcatcagag gaagatgac aagcctcaga 360
 ggagaatcct gcaccacggg caccaaaa 388

<210> 9530
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9530

ggcacatgta cagacccatg attgtcttta ccagttgagc ctcagcctgc agagccatgg 60
ttttacttct ttttcgtgcc ctactccgga ccagttcang gcagaggteg catagcctgg 120
agattggcct gagggccggg caggagaggg accagcagag gctcccgcgc aggcagatga 180
tgcccgcgag gacgaagaga tggtcgattt acttgatttc ttacgaggga ggggagccac 240
atgattggga gatccctgtg tccatatttc tttttgtttc catttttctt gttatatatc 300
atcttatttc tgcttgacta acggactaac gtttgttttc ttgatgtgtt gattgacttt 360
tgtttttgac atacatatca tttgagttgg tacgtccgta tatgt 405

<210> 9531
<211> 323
<212> DNA
<213> Glycine max

<400> 9531
agcttgttca cctccttttt caccacatct agaatgatgg gggtgagtcg ttgctgtggc 60
tgccctactg gcttagctcc atcctctaaa agtatcctat gcatgcaggc agatgggcta 120
atgccaggaa tgttttctaa agtccatcca atggatttct tgtgcttctt gagcactagc 180
agcaacttct cctcttgctc agtagcaagg gagggcaaaga tgatcactgt aaatttttcc 240
ttgtcctcaa agtaagcata cttgaggttt actggtaagg acttcaactc tgggtgtgggt 300
ggtggctgaa cagtgggagg aac 323

<210> 9532
<211> 434
<212> DNA
<213> Glycine max

<400> 9532
taagctcctt caactgcaca aggcctctta ttttcgaata gtatccttgt gtaaccttca 60
cccagcgaag aactgacaa aaacttatct tctccttttt ggacaaggta tggcaagcta 120
ggggcaagta aattttcttc ccattagacc ttggatgcaa ctgtgatcgt atgcccatat 180
cagctagatc ttgacaggta ttgaagccat ccttcattct gccttgaatg ttaaggagag 240
tcccaatcac actatcacia acatttttct ccacatgcat aacatcaata caatgtctaa 300

catcaagatc agatcagtac gaaagatcaa agaaaatgga cctcttcttc catatgcaac 360
tcttacttat atccttcttt tgggtctttc caaatacatt attcacgtgt tcaaccgct 420
gatatacttg ctca 434

<210> 9533
<211> 445
<212> DNA
<213> Glycine max

<400> 9533

tgtaatcgat tacacacata ctgtaatcga ttaccagatg atattttcag ataattttct 60
caacagtcac atcttttcat ttggttcttg aatggccatc aaaggcctat atatatgtga 120
cttgagacac gaatttgcta agagttttca taacaaaaag gtcttatcct cttaaaaagt 180
aaaatcgttt tattctctta caaatcctt ggccaaaaca cttgtgatta aataaggaat 240
tatttgagtg ctcaaattgt tcaatctatc tctttcaaga tttcttcttc tcttctttat 300
tctgaaaagg gattaagaga ccgatgatct cttgttgtaa agaaatctat acacaaagga 360
agggttgtcc ttgtgtgatt cagatattgt aataaacctt tacaagatag tggaactctc 420
aacgaggggtg cttggggact ggacg 445

<210> 9534
<211> 428
<212> DNA
<213> Glycine max

<400> 9534

tattaagaat agaatcgaaa gtttgcaagc aatatgttca aaagcttggtg ttttggaata 60
tcattgttgg aactaaagac aatatatatt ccatttccag aatatagcct aattaccttt 120
gcaactgact ttgaagggtg ctctcccttt agtctaacat caacacactg cttcacctta 180
tcttcactaa gctttggtgt tgctgataa aatccaatga acaaaatcag aatgtgtaaa 240
atcaaaaaat tgaaagggga agaaaacaca aaaataatta tcaacagaac agcatcaagt 300
aaatattggt acccaagtca caaagctttg ctgtcctctg ggtagtgtat gatcaaccgg 360
tttacgttca gttaagagtt tcactaatat aacttcgaag ctatagacat cactctttga 420
agtgagtt 428

<210> 9535
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9535

agcttctata gaggtttttg cggactgctt gtcttatcat accagcaata ccttcaccta 60
 caatattgaa aagcaaggga actaggggat ccccttgtct caaaccctt gtaaggataa 120
 attccttaga aaggctacca ttaatcaaaa tagatatagt tgctgagcgg aggcaagctg 180
 atatccatga tctccatttt gggcagaaac ccaacctaaa cagcatgtaa tccaaaaaag 240
 accaagacac tgaatcatag gctctttcaa aatccacctt gaagatcatc actgggttct 300
 tatttctcct tgcttctca accacctcat tgaggatcaa gataccatgg agaatatgcc 360
 tttct 365

<210> 9536
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 9536

tggggatgaa cgtggacagg gatgctagtc tactattcat tatctggact tcttggatgt 60
 tagtaggact atgcattctc aatatagttg tgcatttgc gggaatgtgt gagcataaag 120
 cctaggaact tgctccacc aacccccaaa atacattttt cgggttaag gcgcatgccg 180
 tatttgcaga tctctccgaa gacctcttc agttctatca tgtgttgggc tatgctatga 240
 gacttgacaa ccatgtcgtc gatgtagacc tcaatgttct attcgatctg ctgtttgaaa 300
 attcgatcca tcaatctcta gtatgtagcg cctacatatt taaggccaaa cggcatgacc 360
 ctatagctaa cagtgtcatc ttcagtgatg aatgtctgtt tcttcctatc tatagtatgc 420
 atccaaatct 430

<210> 9537
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9537

ctaagcttaa gataaagatg gcctcagcaa attccttatt tccataatgg aattctatca 60
 atagacctcc aatctttaat ggagaggggt accactactg gaaaacccga atgcaaattt 120
 ttatcgaggc aatagatcta aatatatggg aagccataga aatagggcct tatataccca 180
 ccacagtaga aagagtctca atagatggta gttcatcaag tgaaagcata accatagaaa 240
 aacctagaga tagatgggtc gaagaggata gaaaacgagt acaatacaac ctaaaagcca 300
 aaaacataat aacatctgcc ctaggaatgg atgagtattc cagagtttca aatcgtaaga 360
 gtgctaaaga aatgtgggac actcttcgat caacacatga gagaactaca gatgtctaaa 420
 gacctatgag taatgcactc ac 442

<210> 9538
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9538

tgaatgcaaa ctggatgcat tgtttaattt ggtgacttat ctggccttga atcagaaatc 60
 tgtaccatgc gcaaggggta gtggattgag ctctataact gaccaccata cagacctttg 120
 cgcttacatg cagcaacctg gagcaataga acagactgat acttatgctg tagatatcca 180
 caatagacct tctcaatctc aacagcaaaa ttaatcacag ctgaacaatt atgacctctc 240
 cagcaacaga tataaccctg gatggaggaa tcacctaac ctgagattgt gcatgcctta 300
 gcaacaacaa cagctacctg ctcttcggtt cctaaatgct gctggcccaa gcagaccata 360
 cattc 365

<210> 9539
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 9539

tcatggattt ctcataagct taatatctta taggattctt attcatgagt caattctagc 60
 acgagctttt caagttgtat gggactaagc tgcgtatgat cactgcttac catcctcaaa 120
 gtgatggaca aactacagtg cttgattgag tcttgaaca atatttgtgg gtgttagtgc 180
 atcataagcc atcctatcgg gaaagtttct gcatcttgct gaatggcgct acaacccac 240

tacttattta tccactaatt taacactcga tgaaattgct tatggtaagc ctactctaag 300
tctttacatt atcaagctgg aacctttgcc tgggaacaat tgatttttct gacttg 356

<210> 9540
<211> 407
<212> DNA
<213> Glycine max

<400> 9540
agcttataat atatcgatag gctcgaaatt aacatcttta ctctcgcgaa attcaaattg 60
gcataaattt tcacacggat gtcgattcg ggcgcataat atgtcaagag tctcgaaatt 120
gaacaacgga agctcttgag aaattcaaatt gggtataaaa ttccacacgg atgaccgatt 180
caggcaaatt tcatacgag acgatcagaa ttgaacaacg gaagctcttg agaaattcaa 240
atggtcataa cttttatctc gaatgtgcaa tttaggcgca tcacatatag tgatattcga 300
aattgaacaa cagaagctct tgtgaaattc aaatggctat aacttttcac actgagggcc 360
gaatcacggc tttaatatat cgatacgctt caaattaaca tcggaaa 407

<210> 9541
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9541

tcgggaggaa cctagacagg gatgctagcc taccatttag ttcntgaact tcttagtcgg 60
tgatcgagtt gtgcatctcc aatatggcag tgtatttatg ggggttagct tcaatccct 120
ggtaagtgat catgaagcca aggaacttgc ctccgcttac cccgaaagta ctttttcat 180
gggtggaggcg catgtcatat ttgtggagtt ccccaaagac ttcttccaga tccattatgt 240
gttaggctat gctttgagac ttgatgacca tgccgtccat atataactcg acgtttcatc 300
caatctgtcg tctaaatact tgggtccatca cccgtgggta tgtagcgcat gcatttttag 360
gccaaatggc atgacctgt atacacatgg caagtttgtg gtagataatg 410

<210> 9542
<211> 371
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9542

agcttgaata acggttgca ggtagccttg agctgngata tgaacctggt gatgtagttc 60
aagcgcccca agaaacccca gactttcttt ttagtgcatt gcttctgcat ttcgaggatg 120
gctttaactt ttctgggggc aacctctatc cctttttggc ttacgatgaa acccaacagt 180
tttcccgatt tgacctcgaa agtgcacttg gctgggttca accttagctg gtactttcgc 240
aacctctcga acaacttcgc taagttgatt agatgctctt ctttggtttt ggacttagaa 300
atcatatcgt ccacatacac ttcgatttct tggatgcata tatcggggaa caaagctacc 360
atcgcttgct g 371

<210> 9543

<211> 360

<212> DNA

<213> Glycine max

<400> 9543

agcttgaaac tatcatgtat caattcctct tgaaactgta tgaaagacaa gtattaaggt 60
taaaattaaa tcccaacagt aatccccaca tgaacattat ccttccttaa aatggagaaac 120
acaatttgaa tccctcaata tgatatgaca aatgaaaact cctgatatat atatatttca 180
tagcagaaca atctccacaa actcattctt aaacatccga attggtgcac ttgtttgaga 240
agcaagtaat cccaatttct cactgtgata agcaagacca acctccttct cctctctatc 300
catgtcatgc aaataaaaat tcatatcatg aacataacca acttccttag ttctcttacc 360

<210> 9544

<211> 369

<212> DNA

<213> Glycine max

<400> 9544

gagccaatta agacgacaat atctttttac tcggatgact gattgagtct cgtcatatat 60
cgagacgctc gaaattgaat gttgatgctc tgagcaaatt caaacgacaa taacttttta 120
ctcggatgctc tgattgagtc ccgtcacata tcgagatgct cgaaattgaa tgttgaagct 180
ctgagccaat tgaaacgaca acaacatttt actcggatgt ctgattgagt cccgtaacat 240

atcgagacgc tcgaaattga atgttgaagc tctcagccaa ttcaagcgac aataactttt 300
 tactcggatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg aatgttgaag 360
 ctctgagcc 369

<210> 9545
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 9545
 agcttagtaa agctaggcac taacaatctc cccctttggc aaattttggt taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
 catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300
 ttcccttgtc tccatgctct tactgcagca tcttctatca gctactagta gcttacatca 360
 gtcacatca gcagcagcag tctccccctc aaaatcatgt acatacaact cccctcaaa 420
 atcatg 426

<210> 9546
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9546

agcttcaaca ttcaattntg agcgtctcta tatattacgg gactcaatca gacatccgac 60
 taaaaagtta tcacggttg aattacgtca gagcttcaac attgaatttc gagcgtctcg 120
 atttattacg ggactcaatc agacatccga gtaaaaagtt atcatcgttt gaatttggtt 180
 acagcttcaa cattgaattt agagcgtctt gatattattac tggacacaat cagacatccg 240
 agttaatagt tattgtcggt tgaaaatact cagagctttg gtattcaatt tctagcgtct 300
 cgatatatta cggaactcat tcaggcatcc gagtaaa 337

<210> 9547

<211> 208
 <212> DNA
 <213> Glycine max

<400> 9547

agcttgtgaa caaggatgac atagaggatg tgagaagaga ggttcaaate atgcaccate 60
 tctcgggtca acctaacatt gtggaactta aggggtgcata tgaggacaaa caatcgggtgc 120
 atttggatcat ggaactttgt gcgggtggtg agctttttga tcgtataatt gctaagggac 180
 attacactga acgtgccgcg ggtttttt 208

<210> 9548
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 9548

agcttatcaa gtggaattat accaaagttt ctatggcagg atagatcact ttaattaatt 60
 ctgttttgac agccttgctt ctgttttacc tgtctttctt caaagctcct tcagcagtggt 120
 caaagaggct tatttcgata caaatgaatt ttctatgggg tggaggcgct gaatggaaaa 180
 agactgcttg ggtggcctgg gatcatatct gtgctcctaa aaaacaagga gggttacgaa 240
 tcatagcctt caaggacttt aatagatccc cttcttatta aat 283

<210> 9549
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 9549

caggcactgg tattcatgtc ttatctaggg ctatagagta tgtgcatctt gaaatatagg 60
 gaccatctag agtgaaaatt catgggtggaa gtcatactt tctcaccate atagatgatt 120
 tctcaagaag agcatgtctg tatgtttcga agaataaate agaagctgtt caaatattca 180
 tagagtggaa aacacttatt ggaaatcaac ttgggtcaaa actaaaaata ttaaggactg 240
 acaatggcct gtatgtgttt cagagcaatt caatgagtgt cgcttgaaat taggtattaa 300
 aaggcacaaa acaatccgtc acacaccact acagaatgga ttatcagaaa g 351

<210> 9550

<211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9550

cagatgccac tctactctaa attgttaaag gatattttta caaggtatca caagtgtatt 60
 cactgggaaa acattgtcgt ggaaggaaat tgtactgctg tgattcaaaa gatccttcca 120
 cccaagcata aagaccctgg gagtgttaacc attccttgtt caattggaga agtcactgtg 180
 ggaaaggatc ttattgacct gngagccagt attaacttaa tgccactctc catgtgcaga 240
 aggttgggag agttggagat catgcgcact atgatgactc tacaacttgc tgaccgctcc 300
 atcatcagac catattgagt aattgaagat gtgttggtca gagtaaatat tttatcttcc 360
 acgcaacttt gcggtaa 377

<210> 9551
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9551

tgtgtagccc accatctttt catagtagaa tactgataat gtgtctacta ttattgtcat 60
 catttttttc tccgtcattg aggtgccact tgagctgcca ggtctctcca cctttgggag 120
 tattcttttg aaggattcgt gccccctttt tgcacatgtt tcgcacttgc atcctatccg 180
 aagccattat actgacactg tctaacgaag gcaaccatta ggctccttcca agaattggact 240
 ccggaagggtt ccaagtgagt gtaccaagta acagctaccc cagtaagact ttcttgggaag 300
 gaatgtatca gcaattcttc atcttttgca tatgccccca tcttctgata atacatcttt 360
 agatgggtct cgggg 375

<210> 9552
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 9552

agcttaaaca ttcaatttcg agcgtctcta tgtattacgg gactcaatca aacatacgag 60
 aaaaaagtta ttgtcgtttg aatttgctct gagcttcaac attcaatttt gagcgtctgg 120

atatattacg ggactcaatc aaacatccga gtaaaagggtt attgtcggtt gaattggctc 180
 ataggttcaa tattcaattt cgagcgtctc gatatatattat gggactcaat cagacttccg 240
 agtaaaaagt tattgacgtt tgagttggca cagagcttca acattcaatt tcgagcgtct 300
 cgatatatga cggaactcaa tcagacatcc gagtaaaacg ttactgtcgt ttgaatttgc 360
 tcagaggttc aaaattca 378

<210> 9553
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9553

cttgatctgc ctctatattn taacaatccc atcctccctc cagataatga gtttctgggtg 60
 gagagtagat ggcacagccc caactccatg gatccattcc ctctctaata gcaagttaaa 120
 attggccttg gactgtatca ccaggaatag agttggtcga actataactgc ctacagcaac 180
 atctacttga atgggtccca aagaatagcc agttttgccc tcataattag agagcacaat 240
 gttgtgagca gatagatcag tgtcatgtct cccgatcttg tagagcatag atcgaggcat 300
 taagttaaca gccgctcctc catctatgag cactttgttg attccaacat tgtcaacttc 360
 tgccctgatg aacagagggt tgagatgact cttcatctga aaatctggc 409

<210> 9554
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9554

agctttgggtg agacccatcc actgggtttc tcccagagat gacttcaagc aagaatacgc 60
 caaaggcaaa tacatcagtc ttctcatcca caactccatg caagtagtac tcaggggcta 120
 aatgccttca aaaaaacatg aaaaaagttc aatggacatc cgagaccctt tgaaacacca 180
 aagagagtga aatatataag tatggtaggg tatatcatgt gataagaaga gagagacaaa 240
 gataaatgag agatgatagt ggagtgggtt aaataatgaa atatttgtgt atcatgaccc 300
 anaaaatata acacttttcc tttaaaaacg aagtttatac tccaatatac tactactaat 360

gtgttttgaa actcgggtga

379

<210> 9555
<211> 375
<212> DNA
<213> Glycine max

<400> 9555

agcttttgtc ggctatcgct tcaatgcatt ggacacccgt atcatgcgtc ttaaagacga 60
catgatcttc atccgacggt gttttgatcc tcttacggat tcttagacgt tttcttctat 120
tataagttcc taattttcta gacattttac tattttttcc ttgcatttgg ctttagttat 180
ttagcacttt ggtaattttt gtgttttgc tgggatattt agcatttggg ttatgctttg 240
ctttggatat ttagcatttg gttggtttat gttttgcttt ggatatttta gattctgttt 300
tgcaatggat gattagttat tgttattgat tgtgatgctt gctctagcta ttttgtgggt 360
ctttatacac ctctg 375

<210> 9556
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9556

agcttgtgta gatcctcagc aacctagatt ggatatatgc aaacatttat ccctagaacc 60
acaacagcgc ccaatgcaat gagaaaaatc tatcaacagc tgtttcaaca aactctctctg 120
tatgatcccc tgataataa tatagcaata ggtgatcaag aacacacgaa aaccatattc 180
acaagctttc attgttggat attgttttgc atatgtggca caaaatccta ccactcacac 240
gtcataatcc tgtcagagaa caaggtatga gcaaaaaaac aaaatataaa tgtcaaataa 300
atctttgtca acatgataag aaatagaagt gattcaaaat cctgacctgc agtgaanatg 360
ctaacaacta taatggtttc 380

<210> 9557
<211> 390
<212> DNA
<213> Glycine max

<400> 9557

tagaccttga atgaaagggt gagttcttac caagatgaat aacactctaa ctatccacaa 60
atagtagata tttatcttga acaaaaccaa gctcctgcaa gaattttcttc acccatagca 120
actccttgca tgcttcagta atgacaatga attttgcac tgtagtagac aaagctacac 180
acctttgcag ctgggactgc caagtcacag ctccccctac aaattttaac aaattgctca 240
aagtggactt catagaatca atgtctccag ccatacttga gtctaagtac cccaccaaag 300
tatgcttata accaccaaaa caaagcctca tatcaacagt accatgaaga tacctcaaaa 360
tccatttcac aacattccaa tgctctctac 390

<210> 9558

<211> 428

<212> DNA

<213> Glycine max

<400> 9558

tctctctttt ctgattatt atcatttggt ttaagccttg tatttggcta tattattatg 60
atatttgaac atttagtatt tctttttcta tttgcttagt atgattgaac aattaggaat 120
tatgttatat gaccatgtgg tttttatata tttgaactat tcatgtttct tgcttcatga 180
ttggtttggg tttttcaatg aatgtcttgc gtatgattag tcatttgtgt atgttttata 240
tttgttacgc actttggctt tttgttgatg ccaaaggggg agagaaaata atgattaaat 300
taagaaactc acataataaa ataacttaat ttcaagtaaa gcttaaaactc aaaaacaaag 360
ggggagaata tggagaatta agtgagtgat cgacaaggaa aaactatgtg tatgtgtttc 420
ttaatttc 428

<210> 9559

<211> 282

<212> DNA

<213> Glycine max

<400> 9559

gaacgaatga attatgctcg ttgttgacc attcaggccc cgggcgctca tactgttctt 60
cccacttata attgatctgt ggcgttcttg ccggtggaga gcttaaatga ggcgtctcaa 120
gagcactgat ggagccccctg tggaagtaga ggtggtgaaa cttgtgagaa gatgctttag 180

actaagcaat ggagagggttc ttgagccatg gaatgaagtg agtgccatca cgattgggaa 240
 atttggtgtt attacgggat gatgacccaa cgcttgtatt gt 282

<210> 9560
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 9560

tatatacaat ataggatata tattgaattg gtgttatcaa tcacatgtac atattgacta 60
 ttgtttaaga gaaagggtcag aaaaaaataa catagttgaa tcaacatcat tatcaatgtg 120
 attagaatga taaaaaaacc taacaaatga aatccaagac atcacatgat aattagaaaa 180
 atacaataac aataaagaat agtaatatta aaaattagat atacataaat aaatattatg 240
 tacagagaaa aaaatgttca aacaacaaca tttttgttga tccggaaaat accgtaattt 300
 gtgcctaaat cgagaccaat ctagatccaa ttgtgattta aaaatcacia ttcttaagaa 360
 gaataaatta ttctgcattc taaaacatat ttaatgatct agcatgaaaa tacattgcaa 420
 ccataaataa atattggtag ctatcaacaa taaaagctc 459

<210> 9561
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations 581
 <400> 9561

tctgtccctg aganactggt tcccagaaga caactgggag tgaagattgc tgaaaaccct 60
 agccttgcaa caagtccatg ggaagtagac acggagatgg acaagaaaat ccgcggtatt 120
 gtgagtagca ttctgaaaga tgcttctgtg cctgatgctg agaaagatgt tccaacatct 180
 tccaccccaa atgtttctgt gcctgatgtt gagaaagatg ttccaacatc ttccacccca 240
 aatgtttctg tgctgatgtt caacaaagat gttccaacat cttccggccc aaatgatgaa 300
 gtactctctt cccccagcac agagagatca acagaggaag atgatcaagc cgcagaggag 360
 acccctgcac caagggcacc agaacctgct ccaggtgacc tcattgactt agaagaagtc 420
 gaatctgatg 430

<210> 9562
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 9562

cttgatgggtg tgcagaagaa atcacatggt tgtcatcatc taaaaggggg agaattgtgaa 60
 tgtatgtata catgattttg atgatgtcaa agaagaatct aacaaggctg cttcaaata 120
 taagcatttg cttcaagaat aattcaagat tgcttcaaca aacaaagcct tgtttcaaga 180
 ttactataag accaagtctt gccttaaaac aatgtgcttt caagacatgc aaggctctgg 240
 taatcgatta ccaggaagtg ttatcgatta ccagaagaca gggttgagaa atagctgttg 300
 aaaaagggtt tgaatttgaa ttttcaacat gtaatcgatt accatatgtc tgtgatcgat 360
 taccagcaac gaaactttgg aaattcaaat tcaaaagtcg taacccttca aattataact 420
 gtgtaatcga ttacacaaac attgttat 448

<210> 9563
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 9563

tgtgctcatg ccacaattgt tagtcgcggc tataccagac atcttgccaa acaaagtcag 60
 ggtgatgata actgcctga gctttttctt ccatgctata tgtagcaaaa ctattgatcc 120
 agttatgtct gatgaaatgg aaaatgaggc cgcaattata ctatgccaat tggagatgta 180
 ttttccccct actttctttg acatcatgat tcaattgaat gtgcatctag tctgagaaat 240
 ccaatgggtg ggtcctgttt atctaccgcg gatgtaccgg gttgagcgat acatgaag 298

<210> 9564
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9564

gcttatcaaa tcagacaatg gatatgagtt tattacgaaa cagttctatg atgatattgg 60
 cattacacat caatgttctt gtgttgaaac tccaacaga atgggattgt tgaatgaaaa 120
 catcaaatat ctattaaatg tcaattgac cttgttatct cagtctaatt taccatctat 180

ttttgggtctt atgccttgat tcattatggt ttctctgtta attgtatgcc tacttttttc 240
 cttggtaatc aaactcctta tgaaaaacta tatgaaattg tatatgatat tgagtcttta 300
 aggggtatcc ggtgtctatg ttttctagta ctttgacagc taacagaaag aaccttgacc 360
 caagagctgt tacttcagtc tttttg 386

<210> 9565
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9565

tatctaactg attcacaata cttgtgatcg attaccctag attctaaaca ttttaatttt 60
 caaaatttaa aatgaagagt cacatctgtt gatgtgtaat cgattacacc ttaatggtaa 120
 tggattaccg gtgactaatt ttgaaaaata aatttcctaa agtcacaatt cttcaagtga 180
 cttgtttctg aaattttttt ttaaaagtca caacttttta agtgactagt tttttaaaga 240
 gtcacaattt ttgaagggtg actagtttta aaaaaatttc caagagtcac aaactttaac 300
 ttgagtcac cagagattat aaacatgtga ccatggcatg aatntcagaa catcatctct 360
 caacatcttt caaacaatct tttcaacgct ttctacagaa ctttctaaat catttctcaa 420
 caatctttct acacagttta taacat 446

<210> 9566
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9566

agcttatgct gcaaacatct acaatagacc tcctcaacct cagcagcaaa attagccaca 60
 atagaacaat tatgacctct ccagcaacag gtacaatccc ggggtggagga atcatcccaa 120
 ccttagatgg ttgaatcctt cacaacagca gcaacaacaa caacaacctt attttcagaa 180
 tgctgctggc ccaagcagac catacgttcc tccaccaatc cagcagcaac aacaataaca 240
 gcaacagccc cagaaataac aaacagttga ggctcctccg caaccttccc ttgaagaact 300
 tgtgaggcaa atgactatgc aaaacatgca gtttcaacaa gagaccatag cctncattca 360

gagcttaact aatcaaatgg gac

383

<210> 9567
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9567

ctattacgtg acactatgaa actcagctta tgectctntg ataacccttt ttacttttgg 60
gatctttcca atatcttcta gcatcaagtc aagacaatgt gcagcacatg gagtccaaaa 120
tatttttggg ctctgtgactt gtaaaatttt acctaagaag atcaaaatca ataaacttgt 180
atgagtagtg taacaattaa aagttataac tataaaaaaa aaacttcatt aagcatgatt 240
gaattctcat ccgccaacac ataattactt ccattgtccg tcaccacttg aataacattc 300
ttttctcaa tctctcaac aaagctatcc ataagctcaa agatcttccg accagtcttc 360
atgtattcaa aagcatccac actcctcaca aactgtgttc ccaatgaaca atctaccaca 420
aagttaatca aagttttata ctctctatct gttcaaccat ctgacataag ccctttgtgt 480
attccaac 488

<210> 9568
<211> 377
<212> DNA
<213> Glycine max

<400> 9568

agcttgaaac tgtcatgtat caatttcctt tgaaattgta tcaaagacaa gtattaagat 60
taaaattaaa tcctaacatt aatccccaca tgaacattat ccttccttaa aatggagaaa 120
acaatttgaa tccctcaata tgatatgaca aatgaaaact cctgatacat atttcatagc 180
agaacaatct ccacaaactc attctttaac attcgaattg gtgcacctgt ttgagaagca 240
agtaatccca aagcaacatc cgatttctta ctgtgataag caagaccaac ctcttttccc 300
tctgtatcca tgtcatgcaa caaaaaattc atatctggaa cataaccaac ttccttagtt 360
cttcttacga tttcatc 377

<210> 9569

<211> 451
 <212> DNA
 <213> Glycine max

<400> 9569

```
ctcagcttgc tttcaatctc ccccttggtg atgatgacaa cccttatatc aagaaacaca 60
tacacatact ttttcctagt cgattattca cttaattctc catattctcc ccccttggtt 120
ttgagtttaa gcttcacttt aaattaagtt atttaattat atgagttctt gatttaatcc 180
ctattttctc tcccccttg gcatcaacaa aaagccaaag tgcataagaa atataaaaca 240
tacataaatg attataatat cactagacat atatcatcaa aataattaag tttaaaactc 300
ataacaatta agagtaagta aatataatca tgttcagtta tactaatcaa atattaaaag 360
aaatactaag tattcaaagtc tcataaaaaat ataaatcatt tgggtaagtc actagcatct 420
tgcagtccta attctcttct aatggcgtag a 451
```

<210> 9570
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9570

```
tatcctgtca tgttcattag ttcaaaaatt atccagaaga tggagctagg ttaggaacag 60
gtacgattgg atagagaaaa tttccacctt tcaggcttcc accttgctac tacgcaattg 120
ttttgctcca ccaccaccac taccacaatt gttgctacga tgtaccagca ttgttgccac 180
cacaaccatt gctactgttg ccactactac tattgtgctt gccatcacta gcatgtatca 240
tgattgcttc tataattggt acctctactg acacaaccac tatcactaca ttgcccagga 300
tccgatggtc tcaaaaatga taattgcttc cagtcaactt gngtggtcag aggagataat 360
caccatcgct gctgttcttt ccgtccaggt gaatcttttg ctgtagtcat g 411
```

<210> 9571
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 9571

```
tcttaciaag catacggctt tctggatgta gatgatgata tctatacaga tggatcttat 60
```


atatctatat atctatagat agatatatag atatagatat atagatatag atcatacaat 120
 gaagtaccgc acgagtgggt atataggaat ccaaactctgc cgaatcactc atggttatgat 180
 cttctacatc ctaagtcttc ccgttccttc atctggetta tgttcttcat gtagcattca 240
 cactgaatga ctctatgaaa ttacgtcgct acttcacat ggtacgggta acgtatgaga 300
 catctctatt tttcccgggg ggaatactta gaattaccac agcttagctt tcaat 355

<210> 9572
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9572
 cttatgtagg ggttaaattc gaattaagta tgatgggaaa gtttaattta ttccttggac 60
 ttcaaataca gcaagaatat gaaggcatat acatacatca aaccaagtac ttgaaagaac 120
 ttttgaagaa gtttaagatg gatgatgcaa agcatatgaa aatgcctatg catccaacca 180
 ctatactttg actagatgaa gaatcaaata atggtgaaga aaagacacat agaggaataa 240
 tacaatctct tttgtatgta actgcatcca gacttgacat tatgttcagc gtatgtcttt 300
 gtgcacaatt cctaaaggaa ccaaaggaag ttcattctatc tgttgtcatg catatatcga 360
 tgactaatag gaactccgaa ccttgggtta tgctataaga gagaaaagaa atac 414

<210> 9573
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 9573
 agctttggag aaccaagcca atcattatgc tagacgaaat atagatggga atagaggtaa 60
 caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatttgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttggtt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
 gcgagaggta gatacatgga ctgagatgaa aagggtgatg agaaaaaggt atgtgcccac 360
 tagctataac agaaccat 378

<210> 9574
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 9574

tatttagatc agattctatc attttaaatt tattgaacgt gtcaccatac ttttccttgt 60
 tccatctctt caccctcatt tttagattct taaatttttc cttgagcaca aaacctcccc 120
 atcctggttg caattgagag ttccagcatt ggtggacaac tttcttaaag gatacatccg 180
 agagccagca gtccaaaact ataaaagggt gagggcccca atcaacaacc tttgatcgaa 240
 gaagaatagg acaatgatct gaaaagttcc tggcaagtgt catttggaca cttgcaggcc 300
 atctattcag ccattccggg gaaaccaagc acctgtccag cctactccta gaagccccc 360
 taggtatgat ccatgtaaac ttctgcca gccaaagAAC ctcaagcaac tccagttcgt 420
 gaatcctatt attgaatttc aatatactgc tgtcactaat ac 462

<210> 9575
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 9575

gcaagcttcc acttattagt gcacagcttt ttgatgcac cttcctagga agggaccaat 60
 cactaaaacc atgagcaaga ggctccaaga agattgggct agagcttgtg aaaaaagccc 120
 taaggttctc atgaacctta aggtagattt ctgagcccat gggccaaggt tgggtccaat 180
 tatctttgta catattaaac taggatgtca ttatatttgg tcttgtata tagggctcca 240
 tattgtaggg agggtagcct agaaatatag gatatttcag cccttgtatt ttttgggcac 300
 ctagactagt tttt 314

<210> 9576
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 9576

atgcaatcct ccctaggaag ggaccaatca ctagaacct gagcaagagg ctccaagaag 60

attgggctat agctgctgaa gaaggcccta cggttctcat gaaccttaag gtagatttct 120
gagcccatgg gccaaagggtg ggtccaatta tctttgtaca tattagacta ggatgtcatt 180
atatttggtc cttgtatata gggctccata ttgtacgtag ggtacctac acatatagga 240
tttttcagcc cttgtatttt ttgggcacct agactagttt ttgtatt 287

<210> 9577
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9577

agctttacag cagatgcccc ttactccat gttcttgaag gatatgttaa caaggaaaca 60
taagtatatt caccaggaaa aaattgtagt ggaaggaaat tgtagtgttg tgattcaaaa 120
gatccttcca cccaagcata aagaccttg gagtgttaact attccttggt caattagaga 180
agtcactgtg ggaaaagctc tgattgactt gggagccagc attaattdaa tgtcattctc 240
catgtgcaga aggttgggag agttggagac catgcccact aagatgactn tacaactggg 300
tgaccgctcc attaccagac catatggagt aattaaagat gtgctgggtca gagtgaaca 360
ttttatc 367

<210> 9578
<211> 427
<212> DNA
<213> Glycine max

<400> 9578

tcagctcctt caactgcaca aggtctctta tgtttgaaga gtatccttgt ggaaccttca 60
cccagcgaag aactgacaa aaacttatct tctccttttt ggacaaggta tggcaagcta 120
ggggcaagta aattttcttc ccattagacc ttggatgcaa ctgcgacgt atgcccatat 180
catctagatc ttgacaggta ttgaagccat ccttcattct gccttgaatg ttaatgagag 240
tcccaatcac actattacaa acatttttct gcacatgcat aacatcaata caatgtctaa 300
catcaagatc agatcagttc gaaagatcaa agaatatgga cctcttcttc catatgcaac 360
tcttactctt atccttcttt tgggtctttc caaatacatt attcaggtgt tcaaccgct 420

gatatac

427

<210> 9579
<211> 418
<212> DNA
<213> Glycine max

<400> 9579

cctatggttt gtaagaatga taaatggatg ccctaacata tattggcgcc attttcagac 60
tycagtgggtg atggcatgga gctctcgatg atatgtggag gcgtgatgta accggggggca 120
gaaaagcttg ctaaaataag ccaagggatg gcctgtttgc atgagaacaa cccccatctc 180
gatacctgaa gcatcagtct taagtgtgaa tggttatgaa aaatcacgga gggccaagac 240
gggggccttg gtcattggctt gcttgagtcc ctcgaaagcc gattgagcac cctcgctcca 300
atggaagtta tccttttgta acagtgtggt taaaggggag gcaatggaag catagcctct 360
tgataacttc cgataaaacc ctgttagacc caaaaatcca cgtagagaat ggggtattg 418

<210> 9580
<211> 212
<212> DNA
<213> Glycine max

<400> 9580

aatgcagagg ttccaaccat cgatgccatg gtttgggttc tctatctctc ggagatagac 60
atgtggaaga gtcactggat gcttcgggtg cacagaagta acaattgtcc cttggtcagc 120
tggccttcaa tggaactcta cgtcctacat gaggaaccta tcattgcgac accttgacgt 180
gcacatcgaa tacatcatcc acacaactga ct 212

<210> 9581
<211> 471
<212> DNA
<213> Glycine max

<400> 9581

gggttacctc cttcttcaact acatcaagaa tcaccgggtt aagtcttctc tgtggcagcc 60
ttactagttt agcccaatct tctaaattta ttgatgcat acatgtggat gggctaatac 120
caggaatgtc cgccagggtc cagcctatag cttcttatg cttcttgaga atagataaca 180

gcttctcctc ttgctcatca gcaagggagg cagatataat tactggaaaa attttgcctat 240
catccaagta agcatatttt aaatttgatg gtagaggctt caattctggt gtggggcggt 300
agatagtggg agaaagagat ggtttctcag cctgtacctc ataaagaaat tcagagggtat 360
gtgtacttcc tgaaacatgg ttagttctat ctgactctag aaaatcaatc tcaagaggta 420
aaacatcact aggaatgtaa tcaatataaa ttccagattc actctcagca t 471

<210> 9582
<211> 475
<212> DNA
<213> Glycine max

<400> 9582

actcaagctg ccaataatat tagtttgagt ttgagtactt cttattaaaa aaattagctc 60
tgatcctttg atcaaatata ttatatattt aacaaactaa cttatcatat gtataacgta 120
tgcacttata cttatcaaaa atcaaaaataa accattaact cacattatta attttcaacc 180
ctgtccatgt gcagatcaat ttaacttatt ttctttaaat aataattcat ctttttagttt 240
aattcttata tattttttaag gttctcactg ctatatgtta tttttaaaat aatcattaaa 300
aaatcaataa ttgtcaatta tatgaaaatt cataattaac ataataacgt tataacctaa 360
ttaaatecgt tatttctatt aatcatcttg aatatctttt tttataataa ctaaacaatt 420
ccatgtcgat acgagttatt cgatttactc tcacttcttt tattatatct atact 475

<210> 9583
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9583

acgccccggg atcctctgag tcacctgagg atgcagctta tcatttagta aactttatta 60
aaactttaaa cattatggca tataagatga tttttgaata tcgttaatgg aatacaatct 120
tacttaaaat ggataaaatt attatagaag atatttataa attaataggg tattggggatt 180
catgactaac tatcagtatt atttaggacg tatttcactc tatggagtga aaaaaattat 240
gtaaaatgag aagtaattat ggatgtgtct attattaata taaataaaa atcctataaa 300
cagaatccaa ttaaattaaa aaaaataaaa taaatgcacc tttcttttca ctctgtacgc 360

gcttctcacc ttntacagca aaatagaaaa tctaaaatta attta

405

<210> 9584
<211> 431
<212> DNA
<213> Glycine max

<400> 9584

tTgaattgtg agttatgact aagttctgtt atgtttattg caatatTTTT gtaggtatga 60
caaaggagca tacttgtttt tgccatcgta tgttatgaga gtacatggag caaagcagca 120
acgtgaagca gttaagaggg ctcccaagag tcaacttgat cctgtttttg aggttgggat 180
attcttttct aaaatgtatg tgcatttgta agtctgtctg tgggtctgcag ttaatagttg 240
tTgaaattaa ttctggattt attgtgtaac taggccctta atacccttgg caataccaaa 300
tTgagggtaa acaaaagggT gctctgtgtg atagatcaca tatgggctaa tggaggacgc 360
cttctgtatt tggTggatcg tGaaatgtga gtactaaaca aactttttgc taaatctatc 420
tgTtgactcc t 431

<210> 9585
<211> 376
<212> DNA
<213> Glycine max

<400> 9585

agcttgtttgc actagcataa acaaggagtt gagcaactgc ttctggctctt gggTgtcatg 60
gcaatectttT ggcaggaaaa attctaaaac aaaatcagcg gaggcactcc ggagtggaaT 120
gccagagca gcatgcaagc caaacatgtt agcatgatgt gccagaggat actccgcctt 180
gctgaaggaa gtaatgtcat ttgcaaaaca aggtttggTg gTtTgaaag ctgtcccaac 240
tactccttgc ccccccaaaa ggtggcactc agagcaggct tccaggaaac ccattagctc 300
tacatccgcc acaaaactag cagcatacac agtcgacaca taattcatct catcgTttga 360
atgcccat ccactc 376

<210> 9586
<211> 359
<212> DNA
<213> Glycine max

<400> 9586

agcttctgtc cctgagaaac tggttcccag aagacaacag ggagtgaaga ttgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattttga aagacgcctc tgttctgat gctgagaaag atgttccaac 180
atcctccacc ccagatgttg ctgtccctga agctgatgaa gatgtcccaa catcttccac 240
cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatcttccg gcccaaatgc 300
tgaagtactc tcttccccca gcaaagagag atcaacagag gaagatgatc aagccacag 359

<210> 9587

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9587

gcatagtata acccttcagt ttcaattcag agtctccata aatgaggaat tgttctttag 60
atcttcttaa gtacttaatt atggtcttaa ccactttcca atattctca ccagggtttg 120
cttgatatcg actagttaca cctagtgcac aagcgacatc aggatgtgta caagtcatgg 180
tgtacatgat agctcctact acactagcat atgggtactct actcatgcgt tctctttctt 240
caggagttat tgaacaattc tccctactaa gagtaattcc aacacctata ggcaaacagc 300
ctcgtttggga attattcatg ttatatctct ntaagatagt atcaatgtac atagattggg 360
agagtccaag caacctnta gatttatctc tataaatctt tatacctaga atatagactg 420
tttctccaat ccttcatgg 439

<210> 9588

<211> 450

<212> DNA

<213> Glycine max

<400> 9588

cgacatcgac caacaacgta gactgacatg tgtatcactc gtctatttga tcttgatttc 60
actttccccc tgatatccta ttgtcaatat tctggaagtg ttatacatat ttttaagaggt 120
caaagattaa acttgtcaaa gactcaaaaa taaaataaaa gtccattcaa agaaataaaa 180

tgatgtttta gttatgcata ctaatttttt attattaata ttcaaattag atattttttta 240
 ccacaagtgc ctttttatat ttttcatttt aattacttac atatcagtgc atcaccatgc 300
 cgcgtttcat gttatggaaa aaataatttt taaacaatct tgagttgata aatgatgtaa 360
 tataataaga aaaaagatta aaaaagatta ttaactgaat gcttattggt tttataaaat 420
 ataatcactc ttatatgttt taatccttca 480

<210> 9589
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9589

agcttgtagt gattcactct gatgtgtatg gccatttga aatcaaatat catggaggta 60
 acttgtattt tgtctctttt atagatgact ttacaaagaa aatttggggt tacctgttac 120
 aaagaaagag tgaagtatth gtaacattta aatcattcaa gttactagtt gaaaagcagt 180
 ctgattgttc aattaagatg cttagaacta atgggtggagg aaagtacact tcacttgaat 240
 ttgataatth ttgcaaggaa gaaggaataa ttcattgatgt aatggctcca tacactcctc 300
 aacacaatgg aactgctggg agaaggaana naacaatgct aaatatgggt agatgcatgc 360
 tgagagagaa g 371

<210> 9590
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9590

ntcgagagat tcaaattggc ataactttta actcggacgt ctgattgagg cgcattttat 60
 atcaagacgc tcgaaattga acaatggaac ctctgagca atttaaatgg tcataacttt 120
 tcactcggag gtccgattca cgcgcataat atatcgagac gctcgaaatt gaacaatgga 180
 agctcttgag caattcaaatt ggtcataact tttcactcgg aggtccgatt caggcgcata 240
 atatatcgag acgctcgaaa ttgaacaatg gaagctctcg agcaattcaa atggtcataa 300
 cttttcactc cgagggtcga ttgagggcga ttatatatcg agacgctcga aattgaataa 360

tggaagctct tgagcaattt aaatggtcac aacttttcac tccga

405

<210> 9591
<211> 437
<212> DNA
<213> Glycine max

<400> 9591

tctaaacttt gtacaagaat gaagctctga taccacttga tagacaagtg gcctcagata 60
tcttaagaag ggggggggttg aattaagata ttccaaactt ttctcctaataaaaaatcta 120
tcttactttt tacttaagtt atgaattccc ttaatgacaa tcttctttaa tattaattca 180
aatgaagcaa cttgaatatg aatataacgc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctcagtttta tactgggttcg gccacaccct tgtgcctacg tccagtcctcc 300
aagcaaccg cttgagagtt ccactaactt gtaaattcct ttacaagtt ctaaacacac 360
aaggacaacc ctctctttgt gtttagagat tctttacaac aagagactca cagtctctta 420
atcccttaga gaatgag 437

<210> 9592
<211> 380
<212> DNA
<213> Glycine max

<400> 9592

agctttgaat gctctattca atggagttga caagaatata ttcagactaa tcaacacttg 60
cacagtggcc aaggatgcgt gggagatcct gaaaaccact catgaaggaa cctccaaggt 120
aaagatgtcc agactacaac tattggctac aaagttcgaa aatctgaaga tgaaggagga 180
agagtgtatt catgaactcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagagaag atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
atgtgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
tgaactcatt gggtcccttc 380

<210> 9593
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9593

gctttctttt ccattgttta atactaaaca cttgccacca aaaacatgaa gatgcgagat 60
 gtttggtttc ctaccattga atagtccata tggagttttc tttaaaattg gtattattaa 120
 agccctattc atgatatagc atgcagtatt agcggcttca gcccacaaat attttggaag 180
 aggagtatca ttttaataagg atctagcaat ttcttctaaa gacctatttt tcctttcaac 240
 aactccattt tgttgagggg ttctaggtgc agaaaagtta tgttcaatgt catgcttatt 300
 acaaaataaa tcaaattctt tattttcaaa ctcaccnca tgat 344

<210> 9594
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9594

ntccaagcca tataaattat gtggaattta aggaagatta ttagtagaaa agatgtacca 60
 tatggagctg atgcatcata cccaattagg gtatattgac tcattagtag tcccaggaga 120
 aatatgtagg gtttgctctt gattccatca tcgttttttag tattgaaatg agtgaaatca 180
 aacttgagac cagctctttc cgttgcaaca attgaaatga gtatgataag aacaaaaaca 240
 cctaaaagtt tccccattca aattagttgc ataaacaatt gctgatttcg atatttgttt 300
 gtaattgaaa ttacctttt gtatgttctt ttatgtcatg aatgtaattt tctatataaa 360
 caattgttat tcattgctgag tgaaccttag attcccgttt gagattgaat gcaatgattc 420
 ttgcggatag tttgcattag tcattgtatt tagtc 455

<210> 9595
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 9595

ttgcatcttt ttcattggcaa gatttgccaa gttagcttca tctctttcct tggctgcatc 60
 aactggtgcc atggatgata tcagctcaat aagtacaacc ccaaagctat acacatcact 120
 cttgtccttg agcctgtaca attggaaata ttgagggtca agatacccta gagacccttg 180

tggagctgtg gagacatggc ttacatcatt ggggagcaat cttgaaaacc caaaacctgg 240
 taccttaatc gaaacactaa tgtcaagtaa aatgtttgtt gttttgacat cacggtagat 300
 gatattagaa gtatggagat aaagaacaaa actaatgatt tgtgctccaa aactaacaaa 360
 tctccgccaa ttgtttctac actcctacta tttatgcaaa ttttttatgg aaaagcatag 420
 ataataaata gtgacattaa ccatacatga gaagcat 457

<210> 9596
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 9596

gagcttctaa actttataca agaatgaagc tctgatacca cttgttagac aagtggcctc 60
 agatatctta aaaagggggg ggggtgaatt aagatattcc gaactatttc cccataattaa 120
 aaatctatct cactttttac tcaaggtatg aattccctta atgacaatct tcttaaatat 180
 taattcaaat gaaacaattt gaatatgaat ataaagaaat cataaactaa ggagattaag 240
 ggaagagaaa atgcaaactc agttgtatac tggttcggtc acacccttgt gcctacgtac 300
 agtccccaag caaccgctt gagagttcca ctatcttgga tattc 345

<210> 9597
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9597

tcattgattt ctcataagct taatatcaga aagggaccca atattcatga gtcaattcta 60
 gcacgagctt ttcaagttgt atgggactaa gctgcgtatg agcactgctt accatcctca 120
 aagtgatgga caaactaaag tgcttgattg agttttggaa caatatttgt ggggtgtagt 180
 gcatcataag ccataccta gggataagtt tttgtatctt gctgaatggg gctacaaccc 240
 cactactcat ttagccacta atttaacctc gtatgaaatt gtttatggta agcctcctcc 300
 tagtatttcc aattatcaag ctggaacctt tgccgtggaa gcaattgaat tttttctgac 360
 tttgcgccaa gaaacctttc acctacttat gaagaagctt gaaaggccta ngaacatatg 420
 aaaaagaatg ttgatactca tcgtcgagat gtcaatt 457

<210> 9598
 <211> 361
 <212> DNA
 <213> Glycine max

 <400> 9598

 agcttgtctc aataagtgtc ctcgatttga tcaattgaca ttattggtct ttatcaataa 60
 taaaattttc agtaataacca tcaacagatt gcttgagcat caagtgttgt aagaataaaa 120
 tgggtataata aacatacttg ctgagtcctt gagctgcact ctatataata tgtagctcct 180
 accagtttac gcaattcctc accctgatta tggacaaaac ccaaaagttt caataaacac 240
 tgcttattga actcttttagg tggctaataa agtaaggcat agtacttgct cagaagtcac 300
 aagcgccaga ccaggattat cagtcaaata aaaataaagt tatttttatg atatgaattt 360
 a 361

<210> 9599
 <211> 354
 <212> DNA
 <213> Glycine max

 <400> 9599

 agcttctcaa ggaagttacc tagtctataa ataaaagcat gtgtaacact tgttataact 60
 ttgatgaatg agagtcttgt aagacacaac tcaaagttca acttctctcc ctttttcttc 120
 ctgtaatttc gtgctccctc ctctctttct ttagcagat gctcaccccc ccctctaaaa 180
 tttaattgga gtgggcttct cccaattcaa ttaaatttat tttcaaccac acacatcaaa 240
 tattcactta atgcgtgcca aattagaaaa ctaccctaa tacaaaaaac tagtctaggt 300
 gccctaaaat acaagagatg aaaaatctta catttctagg gtaccttaac tata 354

<210> 9600
 <211> 343
 <212> DNA
 <213> Glycine max

 <400> 9600

 agcttcaaca ttcaattttg agcgtctcgt atattacggg actcaatcag acatccgagt 60
 aaaaatttat tgtcgtttgg attggctcag agattcaaca ttcaatttcg agcgtctcaa 120

tatattacgg gactcattca gacatccgag taaaaagtta ttgtcgtttg aattagctta 180
gagcttcaac aatcaatttc gagcgtctcg atatatcacg ggactcaatc agacatccga 240
gtaaaaagtt attgtcgttt gaattggctc agagcttcca cattcaattt cgagcgtctc 300
gatatattac gggcctcaat cagacatccg agtaaaaaag tat 343

<210> 9601
<211> 376
<212> DNA
<213> Glycine max

<400> 9601

agcttggttg agttcactga gagcttcttt aggtttatga gctcaaacc c tattgtgtct 60
ggcagcttgc tcagcttggt gaagtttgca ttcagctctt ctaaagctct gctaggtcaa 120
aattcatcac agcatgcaac atgcatgcat gttaagataa tgaaccaagt aataatcaac 180
atgaataaat tctgatacac acaatcacia acacaattaa tcacccctat attaattaca 240
atcaattaat cttatttggt tcttgacgc ttctgatcat gtcatgtcat ttgatttgc 300
aaggaataac aatgttgatt ttgtgatgta agagctagaa atgctcaatt aatgcatggc 360
atgttgaaat tagaat 376

<210> 9602
<211> 354
<212> DNA
<213> Glycine max

<400> 9602

agcttccact tattagtga cagctcctga tgcaatcctc cctaggaagg gaccaatcac 60
tagaaccatg agcaagaggc tccaagaaga ttgggctaga gctgctgaag aaagccctat 120
ggttctcatg aaccttaggg tagatttctg agcccatggg ccaagggttg gtccaattat 180
ctttgtacat attagactag gatgtcatta tatttggctc ttgtatatag ggctccatat 240
tgtaggtagg gtaccctaga aatataggat ttttcagccc ttgtattttt tgggcaccta 300
gactagtttt tgtattaggg gtagttttgt aatttcacat gcactaagtg gata 354

<210> 9603
<211> 364

<212> DNA
<213> Glycine max

<400> 9603

tgtctctcaa tactatgaat ctgttcatct tcaagccttt tgtgagaata tccgcaagtt 60
gcatttcagg actgcagtac ttcaagtcaa gttgtttttt gctcaccttt tcacgaagaa 120
agtgaaatct cgtctctatg tgttttgatc ttccgtgtac tattggattc atggccaagc 180
tgatactgga attgctgtcc acatacaatt cgactggcct ctaaatttct attttctatt 240
cttccagtaa agagtctagc catagtgcct ggcatgcagc atagcatgct gcaatgtact 300
caacctcgca agaagataat gctactacat gttggttctt tgaacaccag cttattgggtg 360
cacc 364

<210> 9604
<211> 430
<212> DNA
<213> Glycine max

<400> 9604

tggaaggtag tcatacctca caaaatatat atatgtatgt ttaggtagga agataccata 60
gatatgcatg tatgtaaaca aaaaaatact tcacaaaata tatatatatg tatgtttagg 120
tagtgaaaat accttagata tgcattgtatg taaacaaaaa aatacttcac aaaatatata 180
tatgtatggt taggtagtga aaatacctta gatatgcatg tatgtaaaca aaaaaatact 240
tcacaaaata tatatatgta tgtttaggta gtgaaaatac cttagatatg catgtatgta 300
aacaaaaaat atacttcaca aaatatatat atatgtatct ttaagtagga agatacctta 360
tatatgcatg tatgtaaaca caaaaaatac ttcacaaaat atatatatat atatatatat 420
atatatatat 430

<210> 9605
<211> 390
<212> DNA
<213> Glycine max

<400> 9605

tatttgtaaa gaaacctga accctacttt gtcaaatacc cattaaaact caatcaatca 60
agtaatccta aaccattatc tttgaaatac ccctaaacca taactagcaa agtaacccta 120

aagtctaatt tgtcaaataa ccataaatac ccctaaacca taactagcaa agtaacccta 180
aagtctaatt tgtcaaataa ccataaacc ctaattagttta agtaacacaa aaccctaatt 240
agtcaagtac acataaatct gaaatagtca aacacacata aaccccaatt tctcaagtaa 300
ccctaaacat ctaattgttc aaatacccct aaatcctact tagtcaagta acctaattag 360
tcaagtaccc ctaaacccta tagtcaaata 390

<210> 9606
<211> 416
<212> DNA
<213> Glycine max

<400> 9606

tgtggaaaca aaaaagtgca acacatttga tatagtttat aggcttctga agttggcttt 60
agtcttgccg gtagcagctg caagcgtgga atatgttttt ttagctatga agtttgtgaa 120
gagtatctat gtaacaaaat aaatgattaa tggttaaatg attctcttgt aacttttata 180
gaaagagatg ttctttgaac aatcaacaat gatgtgat tt tagctcattt ttaaaaaatg 240
ggtaataaac gattttttatt gtaaatacat atcattaaac aacattattt cttattttta 300
atatattttta gtctataatt tctttttatat tttattcaca ctgatattta tttattgtta 360
gattcgtccc tgcttgccctg ccatattcaa attaaagctg tttaaatgat agaatt 416

<210> 9607
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9607

taaaattcat tatggatgca tacactaaga gcatttctaatt ggcttctaatt ctagcaacta 60
gagcatatgt ttcttcataa tctatacctt cttcttgatt atatcctttt gcaactaatc 120
tagccttatt tctaattgatt atgccatggt catctaactt attcccaaat acccattttg 180
ttcctatgat gggatagttt ttaggtttct caacaagttc ccacacattg tttctttcaa 240
attgatttag ttcttcttgc atagcaatta tccaattatc atctattatg gcttctttta 300
tatttttagg ttcaatcata gatacaaaaag ccatattatt gcataattct ttaagagaat 360

gtctagttgt taccctttt gagatatcac caataatggt gtcgacggga tgatctnttg 420
 aggctttcca ttctt 435

<210> 9608
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9608

tgtgttcccta caaatgctga agaacaaccc atttagtggt gctgctcatg aagatcctat 60
 acagcacctg agtgggactg gttgtactca ctacctgaga acaacattac tacatggaac 120
 cagtgcataa gtgccttctt aaggatatat ttttctctca tgaagatgga tcagtacatc 180
 aaggacattg gaaacttcgt gcagaaggaa caagagactt tacttgaagc cttggaaagg 240
 ctgcaagaga taattagaag tttctcacat catggctttt cacctcaaag gctagttcac 300
 attttctatg gtggagtgtc ctcacacaat tggacaagtt tggatgctac ttgtgagggt 360
 aatctcattt tanaaccctt tactaatgac ctcaagtga g 401

<210> 9609
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 9609

tatcaaactc tacaatttat gcacactgat aagaatgtca tatttttgca ttttaattcgt 60
 agaggagtta tttcgtataa aaataataac aaaatattta taaataatat atcattttaa 120
 taattcaata atataataaa gtaaaatagt aaataataaa tttcacaata gttaaataat 180
 caattttaat aatacatcac acttttagat aataacttac cgatattata gtggtagtat 240
 gttattagag aataatgggt tgatgttatt agatgtgata attttttatt tgggaacaac 300
 acattaaatt gaagtatggt gaatattaga tagacaaaaa acaatccaaa atgattttatc 360
 ttttagtcta attatttcta acttgctgac tagttgactc gatagtaaac tcgagagtct 420
 acttaagtta ct 432

<210> 9610
 <211> 361

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9610

 tcagaaagaa attntggcac tacagactga gaaagagttt gtaaggagct tgtatgaaaa 60
 ttccatgaa aagcactggg aaattgaaga ccagattaca caaatgcaga aaaggggttg 120
 cagcttgcaa gatgagtttg gaattaatac attcatagaa gataacgatg cagagctct 180
 gatggctgca acagctctga agtcatgcaa agagaccctg gctaagttgc aagaggcaca 240
 ggcacaatca tctgaagagg ctaaagaatc ataccaaag gttaaggaag ctcacagcaa 300
 gtttgaaacc cttagagacc tattcatttc taaacataag agtcacaaag accaagtaac 360
 a 361

<210> 9611
 <211> 416
 <212> DNA
 <213> Glycine max

 <400> 9611

 tggaatcaaa taaaaaacca caattagtct catattgtaa aaattgttca aatcgtgtct 60
 caatagaatt aattgattga tctaatatgt ataaaaata ctcatatga aaagattctt 120
 caggtgaatg tgtgatctca ttactaatat tttttttatc aaaatgaggc tgtttatgaa 180
 ttttacgttt ttcatgaaat tttggctcta tatccatttc gatagtcatt ttttctgtgg 240
 attctaaagc caatgcaaac cegttttccc tataatgttt taaataagtg ataacacctt 300
 ttaaatgac tatagcaaca totatatgca tatcttttga ttgtagaatc ttgctaacag 360
 aattgacagc aaacacaata tcataccaaa tattattcct aataaatatc aaatc 416

<210> 9612
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9612

 tgtaatcgat tacacatata ctgtaatcga gtaccagatc atattttcag aaaatattct 60
 caacagtcac atctttctat gtggctcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta agagatcttt ggatcaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcggt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
 ttcttcattc tgaanaggga ttaatagacc gacggtctct tgttgtgaaa gaattctaaa 360
 cacaaaggaa gggttgtcct tgtgtgttag aacctgaaaa agaattacac gatagtggaa 420
 ct 482

<210> 9613
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9613
 tgatatacct agcccccttc gatataccat tgcagttaga gccgacctaa catgcatacc 60
 caagatgtcc accccaagat accactgcct agtagtaaag gtctccacaa gctttgccac 120
 aaagaatacc cctgcaagga cataccctc atgtgggaaa atctctttgc caaccaagta 180
 atcaacaaag taacttatca tgtacggacc gacatactag acaagagtag tgacaccagc 240
 aaatacggca ttacaagctg cctccttcca gaacgacttg agaagtgcc aagccaatga 300
 aggctgctcg gattgggttt cagccttcaa cctctcccaa ttagaattca aaaccttata 360
 atttgtcttg gatcggtctt tcgcccgaac aaggggaatg ttcttaagct caag 414

<210> 9614
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9614

nttaataatg gtgatgtctt atttatttgt ctttatgtgg atgaccttat ctttaccggc 60
 aataacccaa atttgtttga agacttcaag gattccatgt ctcatgaatt tgagatgaca 120
 gatatgggac tcatgtcata ttacttggga atggaaatga agcacatgga gaatggtatc 180
 tttgtctcac aagaaagcta cacaaaagaa gtgttgaaga aatttaatat gcttgattgc 240
 aatccccgtga acacacctat ggaaggtggc ttgaagttat caaagtttga tgaaggagag 300

aaggtagacc ccacgggtctt caagagtcac gtggggagtt tgatgtatct aaccaataca 360
aggcccgata ttctatatgc ggtgggagtt gtgtgttgct ntatggagge tectacctet 420
ac 422

<210> 9615
<211> 386
<212> DNA
<213> Glycine max

<400> 9615
tgtgcctctt catgtctgga atatgaatgt agcatatata tccaaagacc ctttaagtgt 60
ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacaacag tgtagactgc ttcagcccag aatatgttag 180
gtagtcctctt ttctttgagc atcgatctag ccctctccat aactgtgcga ttctttctct 240
cggacactcc attttgttga ggagaatatg cgactgtaag gtgtctctca atgccttcat 300
cctcacaaaa tctttcaaac tcgcgagagg tgtactcctt gctgcgatca cttcttagta 360
cttttatccc gttttcactt tgattt 386

<210> 9616
<211> 356
<212> DNA
<213> Glycine max

<400> 9616
tccgttggtc aatttcgtgc gtctcaatat gtgatgtgcc tgtgtctgac ctccgtgtga 60
aaagctatga ccatttgaat ttctcgagat cttccgtggt taaatttcgg gcgtctccat 120
atgtgatatg cttgaatcgg acctccgtgt gaaaagctat gaccatttga atttctcgag 180
agattgcgtt gtttaatttt gagcgtctcg atatctgata tgccctgaatc ggacattcca 240
tttaaaagtt atgactatct taatttctcg agaactttct ttgttcaatt tcgagcgtct 300
ctatatatga tgctcctgaa tcggacttcc gagtgaaaat ttattatcat ttaaatt 356

<210> 9617
<211> 390
<212> DNA
<213> Glycine max

<400> 9617

atgaagaagc gttaaagcag gaagtatggg tcaaggctat ggtataagag atacagatga 60
tcgagaaaaa caacacatgg gagttagtaa atcgccccca tcaaaaagat atcattgggg 120
ctaagtgggt ctataagaca aagctcaacc ctgatggcac catacagaaa cacaaggcga 180
ggctagtagc taagggttac tcacagcaat ccagaattga ctacaatgag acatttgcac 240
cagtagctcg tcttgatacc atatgagctc taataactct tgcatacaca aaaggatgga 300
gtatccatca actagatgtc aaatccgctt ttcttaacgc cgtacttgaa gaagagatct 360
atgtggagca gccacaagga ttcgtgtctg 390

<210> 9618

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9618

ttagttaatt taattctact ttntccaaaa ataataaaa tttttttatg ttaaattgata 60
taagtaaaat atctaaatct ttacattttt cttataatac aaaattctaa aatattatca 120
tatgatgtct ttagatgata aattattaga aataaattca aatgataaaa atattaaatg 180
tggtatttca tgtaattnta catttatcaa ctagtttttt ggtaaatctt accaaactct 240
ttcaactagc ttctgagttt ttttaactcc taacttgtag cttataatct cccctttagt 300
ttgttagctt tcatctatct tataagctag gtttatcaaa catagtctca attattatac 360
tgtctacaca tttatggatt aaattcaaag ttatgttttc agagattaaa ctgtcaccca 420
tatacacat 429

<210> 9619

<211> 387

<212> DNA

<213> Glycine max

<400> 9619

tgtcactctc tggtaatcga tgaccagaac gctgtaatcg attgccagaa gcccaacatt 60
tttgaaaagg gatcttcaga tgtgtaatag attaccatga ctttgtgac aattacgaaa 120
gcttatcaag ttcaaaaata gatcgaaaaa ctttgaatg gattacacaa gacatgttat 180

cgagcactac tggctctgaa tgtaggaaat tcatattcta aatgaagagt cacaactttt 240
 caagaaagat aactgtgtta tcgagtacac caagattgtc atcgattgct agtgtcaagt 300
 tatgagaaaa tctggcaaca gtcacatatt ttcattcgat tgttaaattg tcatcacagg 360
 cctataaata aatgacttga tcacgaa 387

<210> 9620
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9620

tgtgcattca atatcctgat gaggatgttc catatgttct caagactgga ctaatacatt 60
 tgctgcccaa gtttcattggt cttgtagggt aagatcctca taagcatctt aaggagtttc 120
 atattgtttg ttccaccatg aagcccccg atgtccaaga agatcatata tttctaaagg 180
 cttttcctca ttctctggag ggagtggcaa aagattggct atactatctt actcccaggt 240
 ccattttcag ctgggatgac ctttaagagg tgttcttggg gaaattcttc cctgcattca 300
 ggaccactgc catcagaaaa gacatttcag gcatcatgca acttantgga gaaaacttgt 360
 atgagtactg ggaaagattc aagaaattgt gtgcaagttt ccctcacca 409

<210> 9621
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 9621

tcttattcca tacccaatga tgctctttga ctgagagtta gaatgacatc ttttgactgg 60
 acagatcacc aattcaagtc ttatagagat ttccttgtat cttagcaaag aagagtgaag 120
 agttgtcctt attctagatg atacacatat cttattaaa ggtgacattg tatccactgt 180
 cacataattt atttatactc aatatgcttc aatcctttaa ccagtaaaac attatctata 240
 gtacgatagg gagaaatgca tactttacct acaccagtta tcaaaccctt cttattccct 300
 caaaaagtga ccacccact agacatagg cttagggtt ggaacgcaga cttttcacct 360
 gtcattgtgc atgaacaacc actaatcaag taccatgatt ggtgttcttt cttgctataa 420

aaaagatgta caataggaat tatt

444

<210> 9622
<211> 433
<212> DNA
<213> Glycine max

<400> 9622

tgttcttgac tcatcttctc cttgaagtgg catctccaat catctttctt ccctctccat 60
tttgccttca ttgatcttca agaagcaaag gactccattg atgaagaaca ttcaaggcct 120
acaagctcca catggagcta cattatcttc tctagtaaca caccttaagt atgtttttac 180
tctcttattg accacctcaa ttgcccctc cgtttgaggg ttatatgttg aactaaattt 240
caattttaatt ccagcagatt tgaataattc cctccaaaat tgactcagaa aattttttatc 300
cagataaaaa atgatggtgt ttggaaacct atgtaatttc acaacctccc gaacaaatag 360
atcaggtatg tcatttgcag tgaaggggtg actaatgggg ataaaatgag catacttaag 420
tcaatctgtc tac 433

<210> 9623
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9623

taaccatgga acggtatgag ataattaaag atatttgttc agggaaacttt ggtgtggcaa 60
agctgggtcaa ggaaaaatgg agtgggtgaat tgtatgctat caagttcatt gagagaggct 120
tcaaggttcc attttcaaac tccatgtatc tttctgttg tcatacctta gtcttgtaca 180
tatgtacttt ggattgtcct ttgttaatgg ggttctattg ggttttgcag attgatgaac 240
acgtgcaaag agagattata aatcataggt ccttgaagca tcccaatatc attagattta 300
aagaggttaag gaattggaga catttttggg ttcaatgagt atagtctcaa agtgtaatta 360
tttgccttct cggaagaaaa tcattccctt cctttagcta cttcttacca actntgtgaa 420
aatatatatg 430

<210> 9624
<211> 405

<212> DNA
<213> Glycine max

<400> 9624

tagcttgtgt cacaattcac tgtgacagtc aaagtgtcat tcacttatca aatcaccaaa 60
tgtaccatga gaggacaaag cacatagatg tgaaactaca cttcatcaga gatgtgattc 120
aatttgagaa ggtgaagggtg gagaagggtt taacagaaga aaacacgact gatatgttca 180
caaagtcctt ctctagtgtc aagttcaagc actgcctgga cttgataaat tttgaagatg 240
cctaaagcaa attggtagaa gtgcagccct gaatcgcaag atagacactc gttgatttgg 300
agtcaagggtg gagatttgtg gtgtatgact caaaataaaa aatggcaciaa gtgagaaggc 360
tttaagaggt gctgtcataa ctgaattcag atataataac tgaat 405

<210> 9625
<211> 358
<212> DNA
<213> Glycine max

<400> 9625

gagcaaattc aaacaacaat aactttttac tcagatgtct gattgcgtcc tgtaatatat 60
ctagacgctc gaaattgaat gttgaagctc tgagccaatc acacgacaat aactttttac 120
tcggatgatt gattgagtc cgtaatataa caagacgctc aaaattgaat gttgaagcta 180
tgagccaatt caaatgacaa taacttttta ctggatgtc tgattgagtc ccgaaatata 240
tcgagacgct cgaaattgaa tgttgaacct ctgagccaat tcaaacgaca ataacttttt 300
actcggtatg ctgattgagt cccgtaatat atcgagactg ctcgaaatga atgttgaa 358

<210> 9626
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9626

agcttcaaca ttcaaattcg agcgtctcgt tatattatag gactcattca gacatccgag 60
taaaaagtta ttgacgtttg aatttgcctc gagcttcaac attcaatttc gagcgtgtcg 120
ctatattacg ggactatatc agacatccga gtaaaaagtt attgtcgttt gaatttgcct 180

agagcttcaa cattcaattt cgagcgtctc catatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaatttgct caaagcttca acattcaaatt tcgagcgtct 300
 cgttatatta taggactcag tcagacatcc gaganaaaag ttattgacgt ttgaatttgc 360
 tcagagcttc aacattcaat ttcgagcgtg tcgctatatt acnggactat atc 413

<210> 9627
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 9627

agcttgaaat tgaacaacgg atgtctctct agaaattcca atgctcataa cttttcacat 60
 ggatgtccga ttaaagagca taatatatcg agacgctcga aatttaacaa cggaagctct 120
 cgagaaatgc aaatggatcat aactttttac acggaagtcc gattcgggag cataatatat 180
 cagcagctc gaaattgaac aatggaacct ttcgagaaat tcaaatgaga taacttttc 239

<210> 9628
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 9628

agcttgtgcc tcttcacgtt tggaatatga atgtagcata tagatccaaa gacccttagg 60
 tgctttgttg atggtttctt cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120
 ttagttggac atctattgag tatgtaaata gcagtgtaga ctgcttcagc ccaaaatgtg 180
 ttaggtagtc ccttctcctt gagcatcgat ctagccattt ccataattgt gcgattcttt 240
 ctctcggaca ctccatttt 259

<210> 9629
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 9629

caatacccca taaatctaac ctctaagggt tctaagtagt cctaccacaa aatccataga 60
 agtagtgccc cacttccact ggggtatctc taaagggtgt aacttccccg aaagggtctg 120

atgatctatc ttagccttct gacagactat gcatgcatac acaaactcac taa 173

<210> 9630
<211> 197
<212> DNA
<213> Glycine max

<400> 9630

ttactatgca gataatatcc aagaaaaata ctttcactcg acttagcatc aaatcttcct 60
aagttatctt tgccttattc aatacaaac atttacaacc aaagatatga agatgtgaga 120
tgtttggttt tcttccattg aacaattcat atggagtttc tttcaaagg gtcttaatta 180
agtcctatct aaaatct 197

<210> 9631
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9631

aactaccata agggaaaaga gcctagtgtg cttagcgcac gtttagaac aagccagact 60
aggcaagtaa agttgtgaga aacaagacaa gattgttgcc aaagggttact cacaatatga 120
aggtatagac tatacataaa cctttgctca tgttactcgt ctaaggcaat acacattata 180
ctctcattta cagctcatac aaaaatgaga ctatatcaaa tagacgtaaa aagtgcattc 240
ctcaatggag caatacaaga agtagtccat gtagaacaac cccatggggtt tgagggtaac 300
actnttccac accatgtatg taaacttaat aaagctttgt atggacttaa gcaagctctt 360
agagccttgg atgaatgtat caaatcattt cttaagcaa tggatttgac agaggaa 417

<210> 9632
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9632

agcttataga atatataata aaagaacatt gacaattgaa gagtctattc atgtttcctt 60
tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120

agaagataca catattcatg gaaatgactc taaagaaaaa gatgaaggaa gcaatgagga 180
 ttctcaagat aatggagtta gaggaataa tgaacttcca agagaatgga aagcctcaag 240
 agatcacccc ctcgacaaca ttattggtga tatatcaaaa ggggtaacaa ctagacattc 300
 tottaaagat ttatgcaata atatggcttt tgtatctatg attaaaccta anaatatataa 360
 agaagccata ataaatgata actggatcat tgtcatgcaa ga 402

<210> 9633
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 9633

tatgttgcaa acatttacaa tagacctcct caacctcttt agaaaatcaa ccacaacaga 60
 acaattatga cctctccagc aacatatata atccccgatg aggaatcatc ctaatctcaa 120
 atgggtctagc cctcaacaac aacaacagca gcctgctcct tccttccaaa atgttggttg 180
 cccaagcaga ccatacatc ctccaccaat ccaacaacag caacagcccc aaaaacaaca 240
 aacagttgag gttctccgc aaccttcct cgaataactt gtgaggcaaa tgactatgca 300
 aaacatgcag tttcaataag agaccagagc ctctattcag agcttaacta atcagatggg 360
 acaattggct acacagttaa atcaacaacc agtcccaa atctgacaagc ttgcttctca 420
 atctgtccag aatcccaaaa ttctacacat 450

<210> 9634
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9634

agcttccttg aaaagattcc taaagaagct agagcttagc tacacacacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagctt gaacttagct acacaccccc tataatagct 120
 aagctcacc ccatgacaaa atacatgaaa atacaaaaaa aagtctgtac tacaagact 180
 actcaaaatg cctcgaaata caaggctaaa accctatact actattatgg ccaaaatata 240
 aggctaaac gaaggaaaaa aaacctattc taatatattac aaagataagc gggctcatc 300
 ttaacccatg ggctcaaaat ctaccctaag gctcatgaga accctanggc ctcccttg 360

atctctggcc caatctactt ggagtcttct at

392

<210> 9635
<211> 429
<212> DNA
<213> Glycine max

<400> 9635

agcttaaaaa ccaactggta gttgaaactt aactaaaggt tatgtttgac aaaactaatt 60
ggaagcttaa aagcttaaaa actagctagt caatatttta tgtaacactt caaattcttt 120
ttccaaaaat ttgcttcaaa aactatttaa ataataaata ttatgaaatg tgtcatttac 180
tcttaatttc tatttctaag ttggcaaagt atctcatcaa ttttcttttt ataaattaga 240
tgaaataaaa taaagtaaaa taagtgtgtt gcttgaaaaa tgcaagtttt cacatcacia 300
tattaaattt gtaaataaat gaacttaggt ttataatatg atgcctttgc cgcaaataaa 360
gcaaataaat agtctcacac tagaagaaat ttggatacaa cccacagtgt aaaagtagtt 420
aatgattg 429

<210> 9636
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9636

agcttgtagg cctttgatct tcttcattat tagagtcttt tgcttcttga agatcaatgg 60
aagtggaata gagaaggagg aaaggtgatt ggagatgcca cttcaaggag aagatgagtc 120
aagaacaagc tcaactaccat aggaagccat ggataagagc ttgaaggtag gagaaaatga 180
gtggagggag aggcagagag gggggaacaa aatttatgcc tcaaatgagg tcagaacttt 240
gaagtctaatt ttctcaaagc atcaaagttg aaaaaattca cacacaaggc ctctatttat 300
agcctaagtg tcacacaaaa ttggagggaa attngaattt ctattncaaa ttatcttg 358

<210> 9637
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9637

ctatgctgca nataatntaca atagacctcc taacctatct tcgaaatcaa cctcagcaga 60
acatatattga cctctccagc aacagataca accctggatg aggaatcacc ctaacctcag 120
atgggtccagc cctcagcaac aacaacagca gcttgctcct tccttccaaa atgctgctgg 180
cccaagcaga ccatacatte ctccaccaat ccaacaacaa caacaacccc aaaaacagcc 240
aacagttgaa gcccctccac aaacttcctt cgaagaactt gtgaggcaaa tgactatgca 300
gaacatgcat gtttagcaag agaccagagt ctcaatttag agcttaacca atcagatggg 360
acaattggct acccaattga attaacaaca gtcccagaat tetgacaagt tgtcttctca 420
agctg 425

<210> 9638
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9638

tggttcatat cattattaga ttacatatta ttctcttatt tatgattaga tactatatag 60
tgatttagtc cttattactc ttatttaaatt tgagggcgac cctgggtgcag cggtaaagtt 120
gtgccttggg gacttggttg tcatgggttc gaatccggaa acagcctctt tgcatatatg 180
caagggtgaag gctgcgtaca acatccctcc ccatacctt cgcatagcga agagcctctg 240
ggcaatgggg tacgaagttt ttttttttta ctctttatta aattgatcct ctataatcaa 300
tattaatcct atttgttcat tataaataaa gacttagtgt ggatcatcaa cacacacaca 360
acattacagt aaaatacttt tatatattaa catctttgag agaaatatca tatcatgtac 420
acttaaanat aacagcaata taatga 446

<210> 9639
<211> 357
<212> DNA
<213> Glycine max

<400> 9639

tggttcgagg tacttaccgg tagaagatcg aagaacgatg atgaacgaat gattaacgtc 60

gaataacggt taaaacctgt tagtgcttat ctctactgac tttaaaagat aggctaagat 120
 tttgttaaaa cataagcact tataacaatga aggaaagctg gagttgctgc acatgatgtc 180
 caacgttatg tcaaggaata agatcgggct gcacaatgca caaggcaaga taaaatgtca 240
 aatgaagaat tgaaagtgcg ggatccacga tgtcggatac aatgtcctga catcctgccc 300
 gagaatactg gagttgctgt acaatgcaag ataaaagtca agtgcagaag tgaagct 357

<210> 9640
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9640

tcaagatatt atttgatgat gccaaagaat ttcaaagatc tttaaagatg aatttcaagg 60
 atgatgaaag caagatgtca agcaaagcaa agatctcaaa taagaattaa gatagactct 120
 tagaaaagtt tctgaaaaac acaaatgata ggccaagtga gtttctatct taacaaaaac 180
 ttttccaagc attttactct ctggtaatcg attaccagag gttgtaattg attaccagtg 240
 gccacaaagc tttctggaaa tgttttcaaa gttattttca aagttttcaa agttgtaatc 300
 gattaccaat gctttaaaac agttaaaaat gattntgtaa atatgtaatc gatta 355

<210> 9641
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9641

agcttaaagt ccattatgga tgcataggct aataacattc tgattgtttc taatctagca 60
 actagagcac atgtttcctc ataatctatc cctcttctt gggtatatcc tttggcgact 120
 aatctagccc tattttctaat aattattcct cttggaagat cataatttgt tttgacttca 180
 tcaacttgag agtcttcatt gtttatttct ctttttctt tatgatattt tccaagaata 240
 tgtatttctt cttatgatcc tgaaatatca tctagtatat cttttcttgg caaaatagca 300
 ttagattcat caaaagaaac atgaatggat tcctcaataa tcatagttct ttgggtatat 360
 attctatatg ctttactctg caatgaatat ccaagaaaga t 401

<210> 9642
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9642

taacacaagg catgcgaagt ggggtggaatt cctagagtta ttcccttatg ttatcaaaca 60
 taaaaagggga aaaggtaata ttgtagccga tgctctttct ggcgtcatgc attactttct 120
 atgcttgaaa caaaattgat tgggtcttgaa tgtttgaaaa gcatgtatga aaatgatgaa 180
 acttttggag aaatttttaa aaattgtgaa aaattttcag aaaatggttt ctttagacat 240
 gaaggctttc ttttcaaaga aaacanaatg tgtgtgccta aatgttctac tagaaatttg 300
 ctgggtttgtg aagcacatg 319

<210> 9643
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9643

tggcatttat tcagctgcaa ggtacaagat ttaaccatag cataatatgt ttctcaactc 60
 tttaaatatt tagctctatg catatatgat tggggtaatt tgcagggtatt ttacttgtgc 120
 aaatgtgatg cctggttcac ttggttatgg agagcaagat gccagactt tcgcatcatg 180
 ggtatataac actgcttctt tottaaattt gattattcct tttgcttcac tcaaacatat 240
 cagttgctat ttaacaaaacg ggtattatca tcattgtttt atctttctta ggggtgttgat 300
 tatcttaagt atgacattng taacaatggg ggaacacagc ctattgatag gtatgtaaaa 360
 tagttatatt ttcacaacac tgttatata 389

<210> 9644
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 9644

cacctatgtc tgcaagtcac ttgatgttgc aagcaaggtc gatagccagc tgaaatagtg 60
 atttggccca tgttctcaag tcctcctatt catgggtgcat ccattgtggc tgccattctc 120

aatgaccggt tatgagctca acttctgcta cacaaagaag gattagtagc tgactatctt 180
atgattcttt cccactgct ctttttttct tctgatgaat actagtcttg aatggcactg 240
tcacatggta aagaatatga tggtaacttcg atatgtatag aggccattct ccaatatatg 300
gttgatttaa tgggagatcc taatgacatt gc 332

<210> 9645
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9645

agcttgctnt ntgtgctttt cattgcttta attgttgaat aatccttgga aatttgcctt 60
gttaaaactc tattggttta gctttcattt catttttttt ggtcttttggg tattgcttgt 120
ctctttgttt ccttgcttgt gagttgccat ataggggaatt ggaaatgagg attggtgcca 180
tatcttaaag aatttgagtc aagaagcaag gggccaacca ccttaagagc tattggacta 240
agaagcactc caaattgagt gaaacactaa agagagaata gccaccacaa ttgaggactn 300
ttttctttgt aattttgtaa ttggcaattt gctntgcttt caaattttgt aacaaaaagg 360
cctttcattg gaagtaagtt gggagcctct gctangtcac cctactttca tttgtatgta 420
ata 423

<210> 9646
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9646

agcttactaa aacctttgat cttgttgata gacttggatc tatgagaatc atgcttgcct 60
ttgttgctca taaaaacata aatcttttac aaaaggggtg taagagtgcc tttttaaatg 120
gtttcattga ggaggaactc tatgtttaag aacctcctgg ttttgaagat cacactnttc 180
tagatcatgt gtttaaactt aaaaatgcta tgtatgattt gaaacaagca cctcgtgcat 240
ggtatgatag actgagctct tttcttttag aaaatggttg tttcggaggc aaaagtaata 300
ctactctttt tagaagagaa gtgggaatgg tttcattata ttttaattat gtagatgata 360

tatatttga gtactaatg

379

<210> 9647
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9647

cctctncacg tctggaatgt gaagagcata tatatccata gaccccttat gtttcttgac 60
tatcggcgac agttcaatcc agactgatga aaggatgatg agactccctt tctaagagaa 120
gatgagttaa gagcaagctc accaccataa gaagccatgg ataagagcct gaaggcagga 180
gaagatgagt ggaggggagag ggaaagaggg gaacaaaatt ttgagagaga taagagggag 240
aatgaggtct aaagtttgaa gtctaatttc tcaaattatc aaagttgcaa aatgcataca 300
caaggcattt atttatagcc taagtgtcac ccaaaattgg agggaaattn gaatttctat 360
tc 362

<210> 9648
<211> 307
<212> DNA
<213> Glycine max

<400> 9648

agctttttgca agctggaatc atacatccta tgtttgacag ccagtgggtg actgccgtac 60
aggtagtccc gaaaaagacc atcctcacag tgataaagca tgagacggag gagctgattc 120
ctactcgggt gcacaataaa tggagagtct gcattgacta tacgaggcta aagcatgata 180
ccaaaaatga ccattatccg atgccataca gtgaccagat gcttgaatgc ctggcagggg 240
aatctcacat agctgggtcct tgatgggtttt ttgggatata tgcttataac tattgctcat 300
gaggatc 307

<210> 9649
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9649

agctntagtgt ttttagtgtca agtcttatgt tttactgtgt aggggtctaata ccttaggggtt 60
 taggatttag ggtgtagggg ttatgggttta gaatttagag gtaatgggtt aggggtcaagt 120
 cttagcggtt aggggttagg ttttacgggt taggggtgaa ataaaattac tccagactca 180
 tatgcatcta atgaaataaa attacattta gaagttgaaa taaatggagt ggatcaagcc 240
 aggttgagt acttttagtta tccataagta aaccttaata aactgaatac catacattac 300
 gtgtgaaatt caaatgagaa atatacaaca aaatatttaa acggagacat gcaaatcatt 360
 cattt 365

<210> 9650
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9650

gcttgtgcct cttcacgtct ggaatatgaa tagcatatag atccaaagac ccttatgtgc 60
 tttgtgatg gcttcttccc gttccaagct tcaattggag tctgtctttt acagacttag 120
 ttggacatct gttgagtatg taaacagcaa ttagactac ttcagcccaa aatgtgttag 180
 gtagtccctt ctcccttgagc atcgatctag ccatttccat aactgtgoga ttttttctct 240
 cagacactcc attttgttga ggagaatatg cgactgtaag ttttcgtca atgccttcat 300
 cctcacaaaa tctttcanac ttgcgagagg tgtactcttt tccgtgatca cttcttaata 360
 cttttattca ttttccactt tgatttttc 389

<210> 9651
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 9651

cctcttgctt gtctctatat aaccttttgg gcgggtcata tagatgtgtc cctctaaatc 60
 cccatgcagg aatgcaattt taacatctaa ttgctccaag tgaagattct ctgcagctac 120
 tatactcaga ataactctga tggtagtcac ctttacaact ggagagaaga tctctgtgaa 180
 atcaattcct tgtttctgct gaaacccttt caccataagt ctgccttgt atcttcttct 240

accgtcagat tcttccttta gcctatagac ccacctattc tgtaacgttt tctttccttt 300
tagcaattta gttagagacc acgtcttagt cttatgaagg gatgtcatct catctttcat 360
cgctagctcc cacttaata 379

<210> 9652
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9652

agcttgccat ttaaaaaggc attggttatta tcaatttgct aaagatccca atgaaaggaa 60
grgactaaag tcagaatagt tctgattctt atagggttca caactaggga aaatgtttct 120
ttgaaatcaa aaccagggtg ttgatggaag ctttttgcta caagacgtgc cttgtactta 180
ctgacagacc catctgaatt atgcttgact ctaaaatccc gcttgcaacc aattgggtgc 240
ctattaggag gtttaggaac cagttcccat gtattgcttt tgagtagtgc aaccatttct 300
tcatccatag catctttcca cttanggatc ttaagtgtng ttnttgacag tttaggcaca 360
acatgagtta aaagccaggg tgggtggagt ctaggcttga caattc 406

<210> 9653
<211> 297
<212> DNA
<213> Glycine max
<400> 9653

agcttgtgca tccaataccc tgttgaggat gtcccatatg ttcttaaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgtccac catgaaaccc ccagatgtcc aagaggatca catattttctg 180
aaggcttttc ctcaactcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaaat tttccct 297

<210> 9654
<211> 319
<212> DNA
<213> Glycine max
<400> 9654

agcttcaaca ttcaatttcg agcgtctcta tgtattacgg gacttaatca gacatccgag 60
caaaaagtta ttgtcgtttg aattagctca gagcatcaga attcaatttc gatcgtctca 120
atatattacg ggactcaatg agacatctga gtaaaaaagt tattgccgtt tgaatttggt 180
gagagcttca acattccatt tcgagcggtt cgatatttta cgggactcaa tcagacatcc 240
gagtaaaaag ttattgtccg ttgaatttgc tgagagctcc aacattcaat ttcgagcggt 300
ctgatgttta cgggactca 319

<210> 9655
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9655

agcttctcac tcncttgaca ttcattgggag gaggaagttt ctcaatcaca tcaatctttg 60
ccttgccac ctctattccc ctactattc cttcttgaac catgaatgac atttctccca 120
attgagaact agattggact cttcacatct ttgtaatact ctttcaagat ttgataagca 180
ggcttcaaaa gatggcccaa aattagagaa atcatccatg anaacttcaa tgcatttttc 240
caccatatca gaaaaaatag ccatcataca cctctgaaat gtagttaggg cattgcatag 300
acaaaaaggc atgcgccgat atacgaatac accaaaaagg caggtgaaag tagtactctc 360
ttgatcttgg gatctacaaa at 382

<210> 9656
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9656

agcttatgtt gcactttcaa cttctcgaag ctaaataatgt agttgtagga agttgttatg 60
ctcaaagtct taggatgaag caacaactag aagactttgg agtaaaccct gatcacattt 120
agggattagg catatagaaa taaggcatca tttctttaga gatcatgtgt taaaagggtta 180
caactacatt gacttcattg atagtaagca tcaactagca gacattttca ctaaaccgct 240
tgctagagat aggttctttt tcattagaaa ggaactaggc atattggatg catctagcat 300

agaataatat tttgtttgca tagtgtgtga atcatatngc tattcatatc att 353

<210> 9657
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 9657

agcttttgtt tacttttttt attaaattat tattattgac tcaaagtgtg atttaattatt 60
 tataaatata tttttatgaa tctaattact gtaatatatt gatattggtca agattttaca 120
 ttatcattta cttttttatc gttatataag atgataaaat tgtaattttg taataaaaaa 180
 acttattatt ttaacaccat ataactaatg tatagtataa tttgttctac gtcataata 240
 tatcagaatt aacatatact gttatttgat ttagtcttct acatattttt attattttct 300
 tatccctcga ttaagattat tttttaacat catgagaata tatttttt 347

<210> 9658
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9658

cggaccttaa gcaccgcggc tgcaagcttt gtggtacata aaacgggtgct tggatagcct 60
 gatcgctagc tgccatgttc tcaatgagtt ccatcacttc ctcggtgtgc ttttaacttga 120
 tctttcctcc cgtggatgcg tccagtaatt gcttcgattg aggtcgtaat ccatcaataa 180
 agatgtttta ttgtactagc tcgctatata catgagtggg cgttttcctt aacaatccgt 240
 ggaaacgata taaggcttcg ctaagggatt catctagtaa ttgatggaaa gatgagattt 300
 ccaatttccc ttcagctgtc ttggattcan ggaagtactt tntcataaat ntctctacaa 360
 cttctttccc aagtcctaaa ggt 383

<210> 9659
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9659

tgccatatagg ttggacctcc cagaagagta tggagtcagc accactttta acatttctga 60
 ttttaactcct tttgcagggtg gagctgatat tgaggaggag gaactaacag atttgaggtc 120
 aaatcctctt caaggggaag aggatgatgc aatcccccta tgaagggacc aatcactaga 180
 accatgagca agaggctcca agaagattgg gctagagctg ctgaagaaag ccctatgggt 240
 ctcatgaacc ttanggtaga tttctgagcc catgggccaa gggtgggtcc aattatcttt 300
 gtacatatta gactaggatg tcattatatt tggteccctg a 341

<210> 9660
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9660

agctntgtgg catagaaagc tttattnttt gataagtta gatatactga gaattctgct 60
 catggtcaac tccaagaac agtggatgta attgcagaag acgaccttgt tgattcttgc 120
 aagcctggag atcgagtggc aattgtgggg atatataagg ctcttgcaag gaaaaggtag 180
 tgtgaatgga gtatttaggt agctccagaa aatatactga cataactcct ttgcacttgc 240
 ttgctttctt gaacagaaac ttgattgact gattttcatg taggactggt ctcatagcca 300
 acaatgtttc tcttctcaac aaagaggata atgcaccaat ctacagtgtt gaagatgtca 360
 aaaacattaa agagatagct acaagagatg atgcanttga tctgctaagt gattcacttg 420
 caccttctat atatgggcat tcttgga 447

<210> 9661
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9661

ggaactactt cacatggtea ttatggggcc tatgcaagtt gaaagccttg gaggaagag 60
 gtatgcctat gttgttgtgg atgatttctc cagatttacc tnggtaaact ttatcagaga 120
 gaaatcagaa accttgaag tattcaaaga gttgagtcta agacttcaaa gagagaaaga 180
 ctgtgtcatc aagagaatca ggagtgaacca tggcagagaa tttgaaaaca gcagggtcac 240

tgaattctgc acatctgaag gcatcactca tgagttctct gcagccatta caccacaaca 300
 gaatgggata gttgagagga aaaacaggac cttgcaagag gctgctcggg tcatgc 356

<210> 9662
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 9662

agcttcaaca ttcaatttcg agcgtctcgt tatattactg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgattg aattggtcga gagcttcaac attcaatttc gaggggtctcg 120
 atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
 cgatatacta cgggactcaa tcagacatcc gagtaaaacg ttattgtcgt ttgaattggc 360
 tcagaggttc aacattcata ttcgagcgtc tcgatatatt acgggactca atcagacatc 420
 cgagtaaaaa ttattgtcgt ttgaattggc tc 452

<210> 9663
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 9663

tgtaggggta aagtctcacg attgtcacgt gtcctgcaa taattgttag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgctgtggt ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagatggaaa atgaggccgc 180
 aatttatattg tgccagttgg agatgtatct tccccctgct ttttttgaca tcatgattca 240
 cttgattgtg catctgggtc gagaaatcaa atgttggtgt cctattttatc tatgggtggat 300
 gtacccgatt aagcgatgca tgaagatctt aaaaggggtat acaaagaata tatatcgctc 360
 aaaagcatct attgttgaga ggtacattgt agaagaagcc atttgaattt gttcagaata 420
 cttagag 427

<210> 9664
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9664

tgacactctg aaactaagct atccaatggg tcgccattat tntctttctta gtccctttttc 60
 tttgtatgag catttctatt ttgtctcttg taatggagta agctagctta tgctattgaa 120
 artaatcatt tgtcaccatt attcttaatt ctctcttctc ttcacaggta caaggtagca 180
 ttaggggtgg ctttggccct tcgttatctt catgaggatg cggagcagag tgttcttcat 240
 agggatatta agtcagctaa tgtgttggtg gacacggatt ttagcaccaa gcttggcgat 300
 tntgggatgg ctaagttggt ggatccaagg ttgaggactc aaaggacagg gctggtgggg 360
 acttatgggt accttgcccc agaatatat 389

<210> 9665
 <211> 457
 <212> DNA
 <213> Glycine max

<400> 9665

agcttagcta cacacacctc tctaatagct aagttttcct ccttgagatg agaagctaga 60
 gcttagctac acacccctta taatagctaa gctcaccccc atgacaaaaa acatgaaaat 120
 accaaaaaaaa agtccttact acaaagaata ctcaaatgc cccgaaatac aaggctaaaa 180
 ccctatacta ctagaatggc caaaatacaa ggcccaaacg aaggaaaaag ctattctaatt 240
 atttaciaag aagagtagat ccaaccttta cccatgggct caaaaatcta ccctaagggt 300
 catgagaatc ctagggcctt ctttagtagc tctagcccaa gcctcttgga gtcttctatc 360
 caataccctt ggggggtagg attgcatcat cccctccagc ttggaaagga tttgacctca 420
 aatcccgagg ttcttcatac tctaggctcc ttccctc 457

<210> 9666
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9666

gagcacttnt tggtcgatat tgtatctctt cactttctcc ttgctagatc aatctaatat 60
gcctagttca tttctaataa aaaagaacct atctctagca agtgggttag tgaaaagtct 120
gcttggtgat gctcactatc tatgaactca atgcaacaat caccttttaa cacatgatct 180
ctaagaaaat gatgcattat ttctatatgt tcagtccaat aatgcattgc agaattttta 240
gttagattga tcacacttgt gttgtcacat tttagaggaa tgtgatcaag gtttactcca 300
aagtcttcaa cttgttgctt catccagaga ttttgagcac aacaacttcc tacaactata 360
tattaagctt cggtagtaga agtgctaca 389

<210> 9667
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9667

gacactataa aactcagctg gaagcaacac agcttataag agccaccttt ttctctgctt 60
aagagttcta cgggggggga gttcacagta cccttataat cttgggtgga gttaagcacc 120
tcaaattaat gtgagcacca tattaattat caactggtga attcaattaa gttcttaatt 180
atattccaac aacaagatcg cagaaattaa cctgaaagaa agagggttga gagggatcca 240
gccctgtgtt gccaggagga acaacaacat caatagggtgc aaccaaccct acacgagcag 300
gagctaccaa ctgtatagaa aatntggata acaacatcca aaagtgaata tataggaagc 360
tcacaactta attaaaggta actttctctc attcaacata tatatacact acaactcaatc 420
atagcat 427

<210> 9668
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9668

gggatttctt ttagtaggga atctatctt cctatgatgt atccaaacca agtcaccctc 60
attaagaact agctcttttc ttctctatt gccttagtt gaatacacct ttgtttggtt 120
ctctatttgg ttcttaaccc tctcatgcat cttctttaca aattctgacc tagattcccc 180

ttcttttatgt ataaaaaaag tgtccagtgg gaggggaatg aggtctaacg gtgttagggg 240
attgaacca tagacaacct caaaagggga ctgcttggtg gttctatgaa cccccctgtt 300
gtaggcaaat tctacatgag aaagatactc atcccaagac ttatggttgc ctttcagaag 360
agcccttana aggggtggata aagacctatt cactacctct gtttggccat cagtttgtgg 420
atg 423

<210> 9669
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9669

agcttgtgca ttcaatatcc taatgagggg gttctttatg ttttcaagac tggactaata 60
catttgcctgc ccaagtttca tggctcttgc agtgaagatc ctcataagca tcttaaggag 120
ttccatattg tctgttccac catgaagacc cctgatgtcc aggaagatca tatctttcta 180
aagccttttc ctcatctctt ggaggaagtg gcaaaagatt ggttgacta ccttgcctcc 240
aggtccatta ccaactggga ttacctgaag aggggtgttct tggagaaatt ctccctgca 300
tctaggacca ctgcaatcaa aaaatacatt ttatgcatca ggcaacttag tggagagagc 360
ttgtatgagt actgngaaag attcaagata ttatgtgcaa gctgtcctca ccaccaaat 420
tctgagcagc tccttctgca atatttctat gagggac 457

<210> 9670
<211> 424
<212> DNA
<213> Glycine max

<400> 9670

tgaaattgaa caacggaagc tcttgagaaa ctcaaattgt ttcattctgt cacacggaag 60
tccgattcaa ggcataata tctcgagatg ctcgaaattg aacaacgaat gctctcgtga 120
aattcaaatt gtcataactt gtcacacgga agtccgattc aggtgcataa tatatcgaga 180
cactcgaaat tgaacaacca aagctctcga gaaattcaaa tggtcataac ttttcacacg 240
gaagtctgat tcaggcacat aatatatcga gacgctcgaa attgaacaac gtatggtgtc 300

gagaaattca aatgggcata acttgtcaca cggatgtccg attcaagcac ataatatatc 360
 cagatgctcg aaattgaaca tcggaagctc tcgagaaatt ccaatgggtca taacatttca 420
 cacg 424

<210> 9671
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9671

agcttgaaat tgaacaacgg aagctgncga tatatttata tggtcataac ttatgacaca 60
 aaagtccgat tcaggcgcgt aatatatcga gacgctcgaa attgaacaac gaaagctctc 120
 gaggaattca aatggtcata tcttgtcaca cggaagtccg attcaggcgc ataatatatc 180
 gagacgctcg aaattgaaca acggaagctc tcgagaaatt caaatgggtcg taacttgtca 240
 cacggaagtc cggttcaggc gcataatata tcgagacgct cttaaattgaa catcggatgc 300
 tctcgagaaa tgcaaattgt cataacttgt cacacggaag cccgattctg gcgcataata 360
 tatcgaaacg ctggaaattg aacaacggaa gct 393

<210> 9672
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9672

agcttacttg tatgatggct actggtgaag atantggnac aatcgaggct ttctataatg 60
 caaatctggg aatcaccaaa aagcctgtgc ctgacttcag gtaaattgcc tatttgatat 120
 atccatcata ttgacaaatg tatttcaatg atagtgtttt gtggttctga tgtttatgtg 180
 ttcatgcgtt ttggcatatt gattgcagtt tctatgatcg ttcatctcca atctacaccc 240
 aaccacgata tttgcctccc tctaagatgc ttgatgctga tgtcactgat agtggtattg 300
 gtgaaggatg tgtgattaag gtaagcattt cagaaccttc acattctact gatctgctct 360
 gtacatgaga attatacaat tcttaacaaa gatgtcaaata ataatgagat taatttattt 420
 ataggaaact aaccttgtat tccatact 448

<210> 9673
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 9673

```

agcttatctc atttcatttt atatcaacta ttgtacacaa ggaattacat gataaaatgc   60
tyagagagta gcataaaatg gagccacett gctaactcat gagacatccc atttgtttgt   120
ctcttgacca aaacctattc caaagggtga aaattgggcc aaaacctgtt agacaaatga   180
cctcagataa cttagaaggg ggggttgaat taagatattg caaactatct cccaattaa   240
aattctatct taatttcaat gcaagttaca agttccctta aaaatgaact cttaaataat   300
gattcaaata aaacaatctg aatataaatg caaagcaata agaaataaaa tagtttaagg   360
gaagagaaaag tgcaaaactca gatttatact ggttcggcca cacccttggt cctatgtcca   420
gtccccaag                                     429
  
```

<210> 9674
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 9674

```

tgacgttcca attgctggaa cacagagctg ccactctcct cttgattatg atgtagaatc   60
tacagccaac gacttagaat aatgggggtca ttccgaaaca tctcctgtag ttcttcaaga   120
aggtgagaaa ttagaagatt tcagtgcaaa tgaatctcat ttgactgttg aacctgatcc   180
tccacagctc aattctggaa tcaatcagag accaaaaagg atcactatac ctctgaaag   240
atacggattt gaagacatgg ctgcctatgc attacatgca gttgaagaaa tagattcaaa   300
tgaaccaacc acttaccaag aagctatcaa tcctcctgaa gctgagaatt gggtgttagc   360
tatgaaagac gaaatggaat ctttgtataa gaatcagacc tggaaacttg ttgaact     417
  
```

<210> 9675
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9675

agctntctct ggtctacaag agctctttct ttctcataca cttcttctgc aaatggaaac 60
 acgttctaca aactcccagg tggttgtctc aaaccaggag agaatggtaa gatcttgctt 120
 attttttctt aaatataata gtctgaaaat aacaactcat gattatctta atgtacattt 180
 ttgtgggctt gaagagaaag ttgactagca agcttgggtgc taattcatca gcttttgtgc 240
 ctaactggca ggtattatta ctttttattg ttaaatttgg cagttgggtgt ctatttgtgt 300
 ctttattgtt gtcatttgca tgtatccttg gaaaactgca gatagggtgag tatgtagaaa 360
 tctggtgaag gctcttcttt tattgaagta cactgctaag ccacaataca agtgatcgag 420
 gccgtaccgg aatcatataa acatga 446

<210> 9676
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9676

agctnttctc catggcctcc tatgggtggt agcttcttct agactcatct tctccttgaa 60
 gtggcatctc gtctctctct tcttctcca ttcgctgcc attcatcttc caggaagcaa 120
 aggaatccat tgatgaagaa gatcctaggc ctacaagctc aaatggagct tacatcatgt 180
 ggtatcaaga gcattctcat ctaggtgatg ttcatttgct tctcttatct ttttgttcgg 240
 tgaattctct ttagttcctt gttcttcctc ttattctcca tgtatatcct ccattgtctt 300
 gtggtttggt gctggtttaga gtatattcaa aaaaataaac cgattaaatc ttagatctac 360
 atttgttctt gcatttctct ggttcanatt ttgtagatct actcttgaat cttgggtttg 420
 tgttgatttt aggttctatc aattntcatt cat 453

<210> 9677
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9677

tgtaatcgat tacacacata ctgtaatcga ttaccttact ttgttttttag aanacattct 60
 caacagtctc atctttttat ctgtttctta aatggccatc aaaggcttat atatatgtga 120

cttgagacac aaatttgaaa agagttttca agaacaaaga ggtcttatcc tcttaaaaag 180
 caaaatagtt tctatcctct tacaaattcc ttggccaata cacttgatgat tcaataagga 240
 attattnagag tgcacaaatt gttcaatcta tctctttcaa gagagatttc ttctcctctt 300
 cttctttatt ctgaacaggg attaagagac cgacgggtctc ttgttgtgaa aagaattcta 360
 aacaacaagg aatgattgtc cttgtgtg 388

<210> 9678
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9678

ngtctanagg tgtgtttgat tcccatatct tctactttgg caaaacaaaa tcaaaattga 60
 acttctcttg ttcttcaggc ttggcagcag tatcaccatt cctatcatta ataattgatt 120
 ttgggtcttt aacgggtttgg acaacctcag tgatagaacc caaagctttc tccttttgac 180
 gagctggtaa atgatattaa atgattactt ttaaagtcag aatatcacat attactaata 240
 atggcttaac atattaccat cataacgaat taatgactta ngtaatccat ttggctgtaa 300
 tgccttttca ttcacgcctt ctgtatactt gctcacttca acctgcattc tgtagtaata 360
 gatgtattag cagtaagcat atttcagctg ttacttaata ctaaaa 406

<210> 9679
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 9679

agctctgagc aacttcaaac aacaataacg ttttttctga tgtctgatag agaccgtaa 60
 tatatccaga cgctcgaaat tgaataccga agctctgagc aaattcaaac gacaataagt 120
 ttttactcgg atgttcgatt gagtcccgta atatatcgaa acgctcgaaa ttgaagaccg 180
 aatctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtccgcg 240
 aatatatcga aacgctcgat attgaatgtc gtagctctga gcaaatacaa acgacaataa 300
 ctttctactc cgatgtctga ctgactcgcg tgatatattg agacactcaa gattgattag 360

cgaagctctg agacaattca gatgacaata acattttact cggatgtctg agtgaga 417

<210> 9680
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9680

taagctcctt caactgtaca aggcctcttaa tatttgtagt ttattcttgt ggaaccttca 60
 cccgacaaag aactgacaa aaacttatct tctccttttt ggacaaagta tgacaagctg 120
 ggggcaaata aatattcttc ccatctgacc ttggatgcaa ctgtgatcat atccccatct 180
 cagctagatc atgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240
 taccaatgac actgtcacat acattattct ccacatgcat aacatcaata caatgtctaa 300
 cgtctagatt agaccagtac ggaagatcaa agaaaatgga cttcttcttc catatgcaag 360
 tcttactttt a 371

<210> 9681
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9681

agcttgtctt caacaaataa atcattatct ttttgtgatc ttcaaagccc aactccagct 60
 tctttctccc catatccact atgcagcttg cagttagcat gaatggcctt cccaatatta 120
 caggaatgtc attatcttca cagatatcca ttaccacaaa gtctgcctgt tttactctga 180
 ccagcacatc ttcaattact ccatatggtc tggtaatgga gcggtcaaca agttgtaaag 240
 tcatectagt gggcatgata tctactctc ccaaccttct gcacatggag agtggcatta 300
 agttaatact ggtcccagg tcaataagag ctttccac agtgacttct ccaattgaat 360
 aaggaatggt tacactccca ggggtctatac gctnggggtg aaggaccttt tgaatcacia 420
 cactacaatt tccatccaca acaatgtttt cctg 454

<210> 9682
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9682

```
agcttaataa gtccatctat gtattgaaac tatectctg ctagtggtat ttaaaatttc   60
atgaggttat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataactaga  120
aggtcagtgg gagtaagatt tgtttccttg tattatacat agatgatatt ctacttgoga  180
ctaataataa gggatatgcta tatgagggtga aacaatttct ctcaaagaac tttgatatga  240
aggatatggg agaggcatct tatgtcatag gcataaagat ccatagagaa agatctcgag  300
gcattntagg cttgtctcaa gaaacctata tcaacaaagt tttagagaga tttaacatga  360
aag                                                                    363
```

<210> 9683
<211> 451
<212> DNA
<213> Glycine max

<400> 9683

```
agctcaataa atctatgtat gatttaaaac ttgccttact tcagtggtag cttaaagtttc   60
atgggataat ttcttcattt ggatttgatg aaaaccacat ggatcaatgc atataccaca  120
aggtcagtgg gagtaaaata tgttatcttg ttttatatgt agatgatatt ttacttgcaa  180
ccaatgatca aggtttgcta catgagggtga aacaatttct ctctaagaat atggacatga  240
aggatatggg tgatgcatct tatgtcatcg gcattaagat tcatagagat agacctcgag  300
gtattttagg tctatcataa gagacctata ttaacaaaac tttatagtga atttggtatga  360
aaattgttca ccaagtgttg ctcccatcgt gaagggtgat agatttaatt tgaaccaatg  420
cccataacat gacttttgaa gggaacagat g                                                                    451
```

<210> 9684
<211> 442
<212> DNA
<213> Glycine max

<400> 9684

```
cctgcggcat gcaagcttga aattgaacaa cggaagctct cgagaatata taatggttat   60
aactcagcac acggacgtgc gattcaggcg cataaaatat cgagacgctc gaaatagaac  120
```

aacgaatgct cttgagaaat tcaaattggc ataacttgct acacggatgt ccgattcacc 180
 tacataatat atccagacgg tcgaaattga acatcggaag ctctcgacaa attgcaatgg 240
 tcataacttt tcacaaggaa gcccgattct agcgcatcac gtatcgagat gctctgaatt 300
 gaaaaccgga agctctcaag aaattgaaat ggtcataact tgtcacacgg aagtcggatt 360
 cagacgcata atatatcaag atgctcgaaa ttgaacaacg aatgctctcg agaaattcat 420
 atggacataa cttgtcacac gg 442

<210> 9685
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9685

gcataaatgg gacgttgatt ntgtcaagag acggagcnct caatatgaag acgttggngt 60
 tattagaatt tagccttttc aaaccgccca gctaataat gatgatgata tcagttctca 120
 agctgaaaac aacggggtaa agcaaacaaa aatgaatata tatatataga gagagagaga 180
 gagagagaga gagagattaa taaaaatcaa ttatatcttc aaaaacactt tttttaccat 240
 attaaaatac aaatagactt gattaattat aaaattagtt gaaaatattt nttatattct 300
 tgaaaataat taagattatg tntgattaaa ttatttgta tgggaatatn tattatagtt 360
 gctaaaatat ttttatcatt accttaagga tgttatntgt ttttttatct ttttat 416

<210> 9686
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9686

ggatcttaag caccgcggct gcagctgtgt agcgatatct tgcctgggata agatnttcgc 60
 acctattacc cagatgtcgg tgcagcttga taatagtttc ctctctctcc ttggtgtagt 120
 ttctctcttt gaggtttggc cttaggtaat tcagccacct tagtctgcaa ctctctccac 180
 atctcgcaag acctaacaaa ttaataacaa caacaacaaa gtaaaaccaa ttacaatgga 240
 ttcatatatg atttagctat aagctgtgca tgtatataat taaatattga atatatggtt 300

cctacaaatt catgtagaag ttaaaccaaa ccttgaaaac agagaagaag aaaaattgaa 360
 agccacattg gcgactatat tgatgggtaca tactctcaca tacttaattt gtttctgacc 420
 aaactatttg ataagttcca ttoccacctg a 451

<210> 9687
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9687

agcttaagct ccttcaactg ctcatggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaaactt atcttcttct ttttcgacca agtatgacaa 120
 gctgggggaa agtaaaatttt ctcccgatca gaccttggat gcaattgtga tcgtatcccc 180
 atctcagtta gatcttgacg ggtattcaag ccacccctcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacattgtc acatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtata gatcagacca gtacagaaga tcanagaaaa tggacctctt ctccatattg 360
 cagtctactt ta 372

<210> 9688
 <211> 608
 <212> DNA
 <213> Glycine max
 <400> 9688

agcttagtgt ttttttttgt agaatgatgt tcttggtctt ttcccttttg aatgcacgac 60
 tttatctctt ttctctacta gttcgtcaat tttcttcgat tctttgatgc cctgtttata 120
 gtaagagggt tataaatatg gagagaatct ttagtattga aaatataacc attgttgatc 180
 ttgattcttt ctccctcta ttgacagttg ttgtgtattt ttgattgatt ctagataaat 240
 acattctaaa atagtccttc ataactcaac atagccgtta gacatatata aggaattcta 300
 aaatagactt gtagatacat tccatttaat ggtatcattt aatattgcat aaactgattt 360
 attctagaaa gtgcatattt aaatatgcat ttggatggat ttggcaagta cttctcatca 420
 atcatgttta acatatattt aatcaaatag ttaacacaaa tttatatatt tattttcatc 480
 aaaatcttaa gagatgtgtg gatcactcta tgatggattg gctagtttct aatagtgaac 540

acatcactat ggaaaatatt gttaaaaagc tcaacccaaaa agaataaaaa atgttatata 600
tgtacatg 608

<210> 9689
<211> 644
<212> DNA
<213> Glycine max

<400> 9689

agcttgcaaa gttagaaata tcttgtgtga ttccgatgtt gtgaagtcaa ggaaagattt 60
ttctattgcc atgatgaggt catctatagt tttaggagcc tctttgtgtt gtaatgactg 120
aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
aaccaatcga atgtcaaaac cgccttcact agcagcttaa tggaagtcgt tgtcatcttc 240
atcaatgtga catggagcat tgtcttgttg tatgaaaata gtttctctc tatccctat 300
tggtccattt gctttgattg cagacaacac atgatgaata agaaaatgtt tgcttacttg 360
tttatttatt gaagatattg gttttgtttc catagtcctt gtatctctgt ttgcactcct 420
tctctttgcc gggtcctttg taacaaatgg aaaaatacca atcttgccat cttaaagtctc 480
attgccatta gagttgaatc tttgtctagc catgacaata agaacataac cttgcaaagt 540
aaattcttgc ttctacatgt tcgatgtggc tctcctccc cagcagccaa gtaataattc 600
atagagttct tggatcatata aaaccatctt tcatcaatga atac 644

<210> 9690
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9690

ccttcaaacc tcccacaaag gagaagacag agtaaagatt gtgtgtctcc aaactttact 60
aggtgagttt gaatccttac atatgaaaga gttagagtcc attttcaatt atttctcaag 120
aattctcgtt gtttcaaatc aactaaaaag aaatgggtgag aagttagaag atgtaaaaat 180
tatggagaat atactacgtt tgtagatcc caaatttgaa cacattgttg tgacaatcga 240
ggaaacccaa gatttagaaa ccatgacgat aaaacaactt caaggaccac tacaagctta 300

tgaggagaag cataagaaga tgcaagaagc ataagaggaa gcaagagatc actgagcaac 360
tcttgaagat gcaattgaag gagaatgaag aaagtcaagg aaatgaaaga agtcaacaag 420
gtcgaggtag agctcnaagt cgcagtcgag gacaagttgg atgtggcaac aatagacgan 480
ggttcaaatt catcagcaac agttacaaga aagggaagaa ctcaacanga gaacgtgga 539

<210> 9691
<211> 595
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9691

agcttaagca cctttttcct cattttcttc ttcatgtatg gggtgagcct tctctggggc 60
tgtctgactg gtctatagtc ttcttccatc attatcttgt gcatgtagta ggcaggggtg 120
attcctttaa gatatgatat gtgccaccaa attgcttccc tgtgtctctt gaggacctct 180
accaaccgt tctcttctc tgccgttagc ttactgttga tcaccacagg cttgggtctcg 240
ttcttttcca agaacatata ctttagatgg ttgggtagga tcttcagctc taccttggtc 300
ttctcgaatg gactcaagct tttcaattct tcaaaacttg tcacccctgc aggaatgttt 360
tctcatgat ctaagtcttc caagaaagcc cttagatccc ttttctcat cactgggttag 420
acaatctaca acattgataa aaactttctc caatgaattt tgtgtgggag agcaccaacg 480
tcttttttat cgacctctc caccttgaag caccttctat cttcccttan gtatttaatt 540
gcttcgaaag gttgaagttt accttttggg cgtcgacact cattttcaga ttacc 595

<210> 9692
<211> 493
<212> DNA
<213> Glycine max
<400> 9692

ttgatgcaac atttgagag gttaatgaaa caacgattat gatgttctcc atgagaggtt 60
ggatcaaag gagaatatag atctaattga gaaaaaagg agaaaaaag gaatgatagt 120
ggctctaaga caaaaccgaa ttgatggtat taaactcaac attcctccat ttaaaggaaa 180
gaatgatccg gaggcctacg ttgagtggga gatgaaaata gagcatgttt tctcatgcaa 240
caactatgag gaggaccaga aggtgaagct tgccgccacg gagttttccg actatgctct 300

tgtgtggtgg aacaagctac aaaaggagag agcaagaaat gaagagccaa tggttgatac 360
atggacggag atgaaaaaga tcatgaggaa gcggtatggt ccggctagtt actcaaggga 420
cttgaaattc aagctccaaa aactaaccca aggcaacaag gtggttgagg agtatttcaa 480
ggaaatggat gtg 493

<210> 9693
<211> 505
<212> DNA
<213> Glycine max

<400> 9693

agcttgttgt cccttaggat tctcacttat gaatctttta gtactaaaaa caaactcaat 60
ttagaaggag acgacaatgc acctgtgaat agaggaaggt gccagaatt gcaatggcag 120
caccaagagc attgatgggc tgaacaggcg tgtgaaagat aaggatggaa gagacaatga 180
ccgaaatcct cttcattgtg ttccaatgc tgaatgttaa gggagaaatc tgatcaagag 240
acatgtatga gacttgattg tacaagtggg agaagacact ctgggcagct acccacctgt 300
aaacatcaaa atccattagt taacaacatt ttataaaggg agacataagg ttgggtgggt 360
ggttaaggaa aaatgaaaag aaaaaagac tgaatttact cctccctggt aatgaaaatt 420
aacaaaacta acatctcaca tctgccata ataaaattca tatagaggat acactatagt 480
aatttggcca gcaccatgaa ataaa 505

<210> 9694
<211> 537
<212> DNA
<213> Glycine max

<400> 9694

agcttaataa atctatgttt gatttaatac aagcctcacg tcagtggtag ctttaagtttc 60
atgggataat ttcttcattt ggttttgatg aaaaccacat ggatcaatgc atataccaca 120
aggtcagtgg gagtaaaata tgttttcttg ttttatatgt agatgatatt ttacttgcaa 180
ccaatgatca aggtttgcta catgaggtga aacaatttct ctctaagaat ttggacatga 240
aggatatggg tgatgcatct tatgtcatcg gcattaagat tcatagagat agacctcgag 300
gtattttagg tctatcatag gaaacctata ttaacaaaat tttatagtga ttttggatga 360

aaattgttca ccaagtgttg ctcccatcgt gaaggggtgat agattttaatt tgaaccaatg 420
cccacaaaat gactttgaaa gggaacagat gaaaaaaatt ccttatgctt cagttgttgg 480
aagcctcatg tatgtcaag tgtgcataag gcctaacatt acttttgcag cttgaat 537

<210> 9695
<211> 559
<212> DNA
<213> Glycine max

<400> 9695

tatactctac ttccatcata attttatgca ttctatacta gtggctaatt cctttaaggt 60
ctaaaatag ccatccaata gcagccatgt gtttcttgag aacttcaacc aatcagaact 120
cttcaccaga ggataaggta ttactaatca ccaccgactt tgcttcattc tcttccaaga 180
atacatactt caaatgcgt agcaggactt tcaagtctac cttgggtttc tctattgtgg 240
gattcttctt tagctcttca aagacacatt ccctaaagg aattaccttt agtttatcta 300
ggacctcaa ataggcctta agatctctct cctctcttt tgtgagacaa tcaatagcat 360
tcatcaatgc cttctcaagt ggagagtgag aggccatgtt ttgcaccccc atattagctt 420
ttgtcaatt gtttccactt tgaaacacgc cttgtgatca ttgggatatt ttatttcttc 480
acatgaattg aagggacttt ttgatcatca acactcattt ctaagttacc attgccatt 540
gtaactacac acttaactg 559

<210> 9696
<211> 365
<212> DNA
<213> Glycine max

<400> 9696

tcgtttcgcc accatttgtc accacaaaat ttagtgttct gtagaggtag tgaatagata 60
tctatccaaa ttgttaaggg ctctcctaaa aggcaatcac aagtcttggg tgttgacaa 120
gtgacctcaa taacttaaga aatgggatga atttaagtta aaaaatttct tatttaatgg 180
actcttaa at cctttttaa tctattttat tagaatattg gagatgaaga tgaaaattat 240
atcaacagaa tacttcaagt gtgcaagata aataaaatat gcaagataaa gtaatcaaga 300
tagggaagag agaaatgtaa acttagttta tcttggtttg accacttctt gtgcctacat 360

ccagt

365

<210> 9697
<211> 506
<212> DNA
<213> Glycine max

<400> 9697

agcttctgtc cctgagaaac tgggtttctg aagacttatg gagtgaagat tgctgaaaac 60
cctagccttg caacaagtcc tagggaagta gacacggaga tggacaagaa aatccgcggt 120
attgtgagta gcattctgaa agatgcttct gtgcctgatg ctgagaaaga tgttccaaca 180
tcttccaccc cagatgtttc tgtgcctgat gtcaataaag atgttccaac atcctccgct 240
ccaaatgctg aagccctccc ttcacccagt gaagaggaat caacagaaga agaggatcaa 300
gcctcagagg agacccttgc accaagggca ccagaacctg ctccaggtaa cctcattgac 360
ttggaagaag tcgaatctga tgaagaacct attgccaaca ggttggcacc tggcattgca 420
aaaaggttac aaagccgaaa gggaaaaacc cccatcaaga ggtctggacg aatcaagact 480
atgggccaga agaagagcac tccagt 506

<210> 9698
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9698

gtggagtgcc tgacaaagag gcactggttc tttatgttgc ttcattgttg aatacgaatg 60
caagcactgc ttgtgacaat catatataat aaagctttga acctatcatg ccaatcaaag 120
caaggacaga ccacagggga aataatcaac ttcattgagt ttgatgcaga aagagttggt 180
gagttcagtt ggcacctaca tgatctgttg ttagtagtcc tacaggtttt agtaggcttg 240
ttggttttat ataaaaatct tgggcttgct tcaattgctg gttttgttgc aattctcatt 300
gtaatgtggg caaacattcc cttgggttca acccaagaga agtttcacaa caagttgatg 360
gagtcaagag atgaaagaat gaaagcgaca tctgagattt tgaggaacat gaggattctc 420
aaactgcaag gatgggaaat gaagtttttg tctaagataa ctgaactcag aaagatcgaa 480

caaggctgtn taaaaaaagt tatatacact ntagtcttga tcatatctat attt

534

<210> 9699

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9699

tgcttctccc attttgtgag ctaaatgctg atttctgtt ttgtttaaaa agataaggca 60

taatcccttc ttttatttca tctatttaat gtttcaagaa attctttcat accttcaaaa 120

ttgacgtatt attttttttc taaatttacc ggtatcaata aggggaaata aaagtatttc 130

aagaaaggac aactcagtta aataaactta ttgtttaatt aggacaattt aataaaaaat 240

aataaattat ttttaattct taactaatgt tcaagggata caagattaca attaaaaaat 300

ttatattttt ttaccgagaa aaaggcatta tatttattaa tccttctttc agttttatga 360

attgcttaaa aaaattccat tcattaacta attcatcgt tgcttaatta taaattatnt 420

atttttaaaa aattactttt ttagtaataa atgatagaag atataattatt ttaattattt 480

caataaaaca atatagtga ataaacattt tttttactta taatcaaatt tattttaataa 540

ttttaattag atcttataaa ataaaccttt aaaagaataa taaaattgca t 591

<210> 9700

<211> 542

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9700

agcttcttct agactcatct tctcctttta gtggcgtatc ctctctctct tccttctcta 60

ttcgctgcca ttcattcttc aagaagcaaa ggaattcatt gatgaagaag atcttaggcc 120

tacaaactct aatggagcta caccaatact aatgccacct ttctttcttt gatgtctccc 180

catttagtgt tgccaaagtc ttgggtgctg cccgaggtgg atgtgggtgga tctcttgta 240

gaagatgagg tagaggacct agaggaggac acttcgtatg aataagacct catcaciaag 300

cccggcttat ggaggaagat tcttcaaagg attcatctga ggattctcgt tagaagggt 360

ttctccatcc aactntattg aattcttttt gtggatacaa ttgactttgg gcttgggtaa 420

ggatgactac tctaagtttt aggattttcc ccttatatgt attttgggac aagtagacct 480
 atgctcagac cttttgtaat tattaatcat gactacttac attattgggtt tgggttggat 540
 at 542

<210> 9701
 <211> 668
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9701

agcttcatac aactttgtgc gattttttcc tgttcgttcg gacctattgt ttcttctaata 60
 cctccttttag aaatgaaatg aaaatgtctt aaatctcatt attggttatg agaaattcta 120
 tctgtatgct ttcattcctc cttcgtcgca ttattttttg agaaaaaaaa atgtgtgttg 180
 ttctgatcgt attgggggtt tgtttcttta ccaagcacgt tcgcatttta gtgaaagctt 240
 taaggaactt caatgtcttc tgtcttttac ttttcaagac ttcaatgtct gaattcttta 300
 cattttcaag acttcaatgt cttcagtctt tacttttcaa gacttcaatg tcttcatgtc 360
 ttcagtcttt acattttcaa gacttcaata tctttagtct ttacgtttca agacttcaat 420
 gtcttcagtc ttttatgttc ctaaagactt aatgtctcct atttttgnta tgcaagccta 480
 caacatcttt tgcttaatac ttttgatact tccgtattga tatccttttg ttctttttat 540
 aaggttcact tccttggtt tcgctaagtt ccaaccgat agcatgatcg cttgaatgaa 600
 actagtggcc ttatctttac ttaccttttg attttcaata aaagataagt aaaaaagggg 660
 cactatca 668

<210> 9702
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9702

aaaagnacta ccggatcngt atgttattat gggtgattga gttcctacat ggagtcctaa 60
 gaagcaaggc attgtgacac tttctacttg tgaagccgag tatgtagctg caacttcttg 120
 cacatgtcat gccatttggc taataagatt gttggaggaa cttcagctgt tgcaaaaggaa 180

aagcacaaag atctatgttg ataatatatc tacacaagag cttgccaaga atccggtggt 240
ccatgaacga agtatgcata tagatacaag gtatctttcc attatagagt gccttaccaa 300
gaaagaataa aaatcgactc atgtgaaaac ccaagatcaa gttgcggata ttttcaccaa 360
gcctctcaaa attaagatct tttaaaattg ccagcaaaac ttggtgtgca gaaaaatttt 420
ccaa 424

<210> 9703
<211> 588
<212> DNA
<213> Glycine max

<400> 9703

tcaagctttt agtcttcaag aacataatat aaagaaagtt cgttttttct attgaggcag 60
aaaggaagat actggatcat agagtgaatg aactgcagga tagacaagaa accgcagctg 120
aattagagga gaaaatgaga tctcaaactg gtttactggc tgccaaagat caaggtgagc 180
tttgtctgat tcttctctt ttgagaagtg atcttgtaat attttttatg gatgagaaac 240
ttacatttct ggaacttaat ggtttattgc agaaatcgaa gcactaatgc atgcacttga 300
tgaggaagaa acgcagatgg aagaattaac aaataagatt gtggatcttg aaacggtagt 360
tcaacaaaag aatcaagaga ttgagaacct tggatcttct cgtggtaagg ttatgaaaaa 420
gctttccata actgttagta agtttgatga gcttcaccac ctgtctgcaa gtctcctttc 480
tgagggttgaa aagctccaat cccagttgct agaaagagat actgaaattt cttttttgag 540
gcaagaagtt actagatgca cctatgatgc tcttcttgat cacaaatg 588

<210> 9704
<211> 573
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9704

ttgagccaat tcagacaaca ataacttttt actcgttgtc ttatngagtc ccgtaatata 60
tcgagacgct cgaaattgaa tgttgaacct ctgagcaaac tcaaacgaca ataacttttt 120
actcggatgt ctgattgagt cccgtcatat atcgagacgc tcgaaattga atgttgaacc 180
tcatagcgaa ttcaaaccac aataacttta tactcggatg tctgattgag tcccgttaata 240

tatcgagacg ctcgaagttg aatgtttaag ctttcagcca tttcaaacga taataacttt 300
 ttactcggat atctgattga gtcccgtaat ataacgagac gctcgaaatt gaatgttgaa 360
 gctctgaact agttcaagcg acaataactt tttactccga tgtctgattg agtcccgga 420
 tatatcgata cgctcgaaat tgaatgttga atctctgagc caattcaaac gacaataacc 480
 ttttactcgg atgtctgatt gagtcccgaa aatatcgaaa ccctcgaaaa tgaatgttga 540
 atctttgaac caattcaaac gaacccaaaac ttt 573

<210> 9705
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 9705
 gcttcacgtt cattttcagc gtctttatag tttcgggact caatcagaca tccgagaaaa 60
 aagttattgt cgtttgaatt agctcagaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgaat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaaa catccgagta 240
 aaaatttatg gtcgtttgta ttggctccga gcttcaacgt tcatttttoga gcgtctcgat 300
 atgttacggg actcaatcag acatccgaga aaaaagttat tgcggtttga attggctcag 360
 agattcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacctccgaa 420
 taaaaaagta attgtcgttt gaattggctc agaacctcaa cattcaattt 470

<210> 9706
 <211> 551
 <212> DNA
 <213> Glycine max

<400> 9706
 tgtgggattt tgtgatagtg attttgccgg agatgctatt atagaaaaag tactaccgga 60
 tttgtatttt ttatgggtga ttgtgttttt acatggagtt ctaagaagca aggcattgtg 120
 acactttcta cttgtgaagc cgagtatgta gctgcaactt cttgcacatg tcatgccatt 180
 tggctaagaa gattgttgga ggaacttcag ttgttgcaaa aggaaagcac aaagatctat 240
 gttgataata gatctacaca agagcttgcc aagaatccgg tgttccatga acgaagtaag 300

catatagata caaggtatta ttccattaga gagtgcatta caaagaaaga agtagaattg 360
 actcatgtga aaactcaaga tcaagttgcg gatattttca ccaagcctct caaatttgaa 420
 gattttcgaa gattgcgagc aagacttggt gtgcagaaga attttccaat taagggagga 480
 tgtagatat taattagacc aatattaata acaagtttta tgagccttaa attgtggaag 540
 atgaaagttg t 551

<210> 9707
 <211> 583
 <212> DNA
 <213> Glycine max

<400> 9707

agcttggatt tccttttagt agggaaatcta tcttttctta gatggagcca aaccagtc 60
 ccttcattaa gaactagctc ttttcttctt ttattgcctt tagttgaata cacctttggt 120
 tgattcteta tttggttctt aaccactca tgcaacttct ttacaaacat tgacctagat 180
 tcccccttctt tatgtataaa agaagtgtct agtgggaggg ggaatgaggt ctaacggttt 240
 tagcggattg aaccataga caacctcaaa aggtgactgc ttggtggttt tatgaacccc 300
 cctgttttag aaaaattcta catgaggaag atactcatcc caagacttat ggttgccatt 360
 cagaagagcc cttaaaaggg tggataaaga cctattcact acctttgttt gcccatcaat 420
 ttgtggttaa gaagtggtag tgaaaagaaa gttagttcct agcttatccc ataaggtttt 480
 ccaaaagtgg ctaaggaact tggcatctct atctgacaca atggccaag gcaaaccatg 540
 gagtctcaca acttccttaa aaaaaagttt gagatgtggg aag 583

<210> 9708
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 9708

agcttgctac tacaatctcc ccttttttga tgatgacaac tctgaaatca agaaacacat 60
 acacacactt tttcctagtc gatcactcac ttaattttcc attctccctt tttgtttttg 120
 agtttatgct tcaattgaaa ttaagttaat tacttatgtg agttcttgat ttaatccata 180
 tttctctccc cctttggcat caataaaaag ccaagtgcga taacaagtat aaaacatata 240

tacactatta atcattcaca agacattcat tgaagaatat aaaaccaatc atgaagcaag 300
 aaacatgaat agatcaaata tataaaaacc acatagtcac ataacataat tcatgatttt 360
 tcaaacatac catgcaaata aaagaaatac taaattgttc aaatgtcata ataatatagc 420
 aaaatacatg gctagaaaac aaagtgttag taatattaaa aatattagaa aaactaaaat 480
 gatggtggcg gtggtggtgg tagatcaaag cttgtacgaa tgtaagaaac atcttcttca 540
 accttggtga ttcttgact 559

<210> 9709
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 9709
 tgtaggcctt agatcttctt catcaatttt tttcttgctt cttgaagatc aatggcagcg 60
 gaatggagaa ggaggaaagg tgattataga tgtcacttca aggaaaaaat gagtcaaaat 120
 caagttcacc accataggaa gccatggata agagctagaa agtacggaaa gatgagtgga 180
 gggagaggga gaaagaagag ggtaccttag taatgtagga tttttcagcc cttgtatttt 240
 aggacactta tactagtttt tgtattaaga ataattttat aatttcacat gcattaaatg 300
 tattatttga tgtgtgtatg ttggtagata aattcaattg aattagaaga agcacaatgc 360
 acatgatgta gtaccatgtg agatgtgttg aaagtgaaaa caagatcata gagagaaggg 420
 gttgacatca tgga 434

<210> 9710
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9710

agctttactt catttcttca agtagtgtat gatttgcttc cagattaaaa cacgttgcc 60
 aaaagttact atcaggccaa gaaaatacta tgtccgatgg gtatggagta tcaaaagatt 120
 catgcttgcc cgaatgattg catactatac aggcatgaat tcaaagaaat gtccaaatgc 180
 cctaggtgtg ggtcgtcacg gtacaaagta aaggatgatg aggactacag ttcggatgaa 240

aactcaaaga agggcccttc aatgaagggtg ttgtggtatc ttcccatcat tccaagggtt 300
aagcgtcttt ttgctaattg agacgacgca aaagacctta cctggcatgc aaatgggaga 360
aactctgatg gaatgggttg tcatccggct gactgctccc agnggaagaa gattgatcgt 420
ttgtatccgg atttttagcaa agaggcaaga aatcttatgc ttggactatc cagtgatgga 480
atgaatccat atgacaatnt aagcactcaa cacagttcat ggccagttat gctagtaatt 540
tacaat 546

<210> 9711
<211> 518
<212> DNA
<213> Glycine max

<400> 9711
tgcctaatta acctgaaatt gagagaaaat gattacctaa cactcaaat ggaagtacta 60
agtatttatt acctatgctt agtagaaaat acttataaca ctacaaaata accataaatt 120
ggaagagttt gatacaattt acacaagttt tatacacaaa agtttagtctg attcatcgac 180
taacaccagt ccccatgaaa agtttagcaat ttccagtgtt gaaaccaaac ataattttgc 240
ctcatcatcc aacaccagta ccataaacat aaaatgcttc aaatgcttag gcagaggaca 300
tattgctttt gattgtccaa cctggaggac cgtgatcatg aaggcagatg gagaaatcac 360
cagtgaatct aaaatcaatg aagaagaagt ggaagaatag cttgaggagg aagctatgta 420
gggtgatatg ctaatgggta gaaggctctg gggaagtcag atgcagccac tggacaacac 480
tcaaagagaa aatattttcc acaccagatg cacaatta 518

<210> 9712
<211> 609
<212> DNA
<213> Glycine max

<400> 9712
agcttatgga tggcgtgtct ggcttccttt tggtattttt cctgttctcc tattcaagg 60
acaaccaa atcaggaagcac cctctagatg aagagaaaac cgccttcata actgaagaca 120
ccaatttttg ttacagggtc atgcctccg gactcaagaa tgcaagagcc acatacaaaa 180
ggatcatgga ccgggtcttt aaacaacaaa taggccaaaa tgtcaaattc tatgtggatg 240

acatggctgt caagtctcat agtgtagccc aacacttaat agatttggag gaagtgtttg 300
 gagagattca caagtataac atgtgectca atcctgaaaa gtacacattt ggggttggaa 360
 gtggaaaatt cttgggcttc atgacacccc acaagggaaat taaagccaac cttgacaagt 420
 gtacgatgat actagaaatg cacaatccta ccaatgtcgg agaagtggag aaactaaaaa 480
 gtagactgac gtctttgtcc acgtttctcc cgaagcttgc agaaaaggcg aggccattct 540
 acaagttact caaaaatact gagctgtccc caaacaatg tgtccctggg cgaatctcaa 600
 aggctcgtc 609

<210> 9713
 <211> 526
 <212> DNA
 <213> Glycine max

<400> 9713
 agcttcaaca ttcaatttcg agcggcttta tatattttgg tactcaatca gaaatccgag 60
 taaaaagtta ttgtcgttgg aattggctca taggttcaac attcaatttc aagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 agaggtttta cattcaattt caagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300
 cgatatatta cggcactgaa tcggacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 ttagagcttc aacattcaat ttcgagcgtg tcgatatatt acgggactca atcggacatc 420
 cgagtaaaaa gttattgtcg tttgaattgg ctgagaggtt caacattcaa tttcgagcgt 480
 ctgatatat tacgggactc aatcagacat ccgagaaaaa agtatt 526

<210> 9714
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 9714
 ttgagaatat gggtgcagcc attggtcaat atggtgttca tttgccatt cctagctatc 60
 atgacattag agttccactc ttgaagaagg aagttgaata tactgaaaat ttgatgaaag 120
 gtcataggga gcaatgggtc aagtatggtt gtactattat gtctgatgca tggactgac 180

ggaaacaaag atgcatcatt aatTTTTtga ttaactctca agctggttcc atgtTTTTga 240
 agtctgttga tggatctgat tttgtaaaga aaggtgaaaa gctTTTTgag ttgcttgatg 300
 ccattgtggt ggaagttgga gaagagaatg ttgttcaagt tgtaaccgat aatgggagca 360
 actatgtttt atcacgtaag ttgttagagg agaaaaagaa acatatttat tggactcctt 420
 gtgcagctca ttgtattgat ttgatgc 447

<210> 9715
 <211> 602
 <212> DNA
 <213> Glycine max

<400> 9715

agcttctcga tatattatgc cctgatttg gacctTTTT tgataactta tgaccatttg 60
 aatttctcaa gagcttctgt tgtacaattt cgagcgtctc gatataattaa gcgcctaaat 120
 cggacctcgg tgtgataagt tatgaccatt tgaatttccc gagagctttc gttgttcaat 180
 ttcgagcttc tcgatataat atgcgcctga atcggaacttc cgtgcgaaaa gttatgacca 240
 tgtgaatttg tcgagagcat tcgttgttca aattcgagcg tctcgatata ctatgcgcct 300
 gaattggacc tccgtgtaac aagttatgac catttgagtt tctcgagagc atttgttggt 360
 cattttcaag cgtatcgata tactatgcgc cttaatcgga ctctatgtga caaggatatga 420
 ccatatgaat ttctcgagag cattcgttgt tcaattagga gcagttcgaa atattattgc 480
 gctctaateg gacttccgtg tgacaaggta tgaccatttg agttttctcg tgagcttccg 540
 gtgttcaatt tcaagccttc tcgatataat atgcgcggga acggatatte catttgaaat 600
 tg 602

<210> 9716
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9716

agcgcgcctc caatattgag ctncgttttt attattttat cgggcttttc tccctcctga 60
 aatcaatcca tcacatccaa attcagcaaa acaataataa agcaaaatcc aaaaacagta 120
 gttcctatat ttccaaaga ctgacaaaca caaatacaca caaaatacta catattgaaa 180

cattcaactt gatataatattt ttccattttc accttgcccc aaagtccaga gtccttatca 240
taccaatacc tcccaggctt caactttctga ggagggatag ggcagcccag aatctcagcc 300
aactcctctt gtcttaactg cctgccattc acaacaagct gctccggccg aagctgattc 360
gcaggacact ccttttcagc cctcattatc tgattaatct ccaaagaact acacactttc 420
gacaacattc tggaacactt tccc aaagtc gacctcttcg actcatcaat tggtttccca 480
atgcaactca cgcattttct tccctcaggc atagacccca tctgtttcag cacacaggta 540
ctgcaatacc ttgaataaca caccaaacc g 571

<210> 9717
<211> 460
<212> DNA
<213> Glycine max

<400> 9717
tcttagtttc agatgatgca gatgggcttg tagctttctc atgctctcct ctaatgacta 60
tggcatcatt tctggcgcta aactggtggg agttggaagc catctttctca attaaatttc 120
tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt gctgagtctt tcataaaaat attggagaag aagctgctct gaaatctgat 240
gggtgggggca actggcacat agttttctta atctctccta gtactcatatc aggtctcttc 300
cactaagttg tctaatacct gagatatact tctgatggc tgtggtcctg gaagcaggga 360
aaattgtttc taagaatact ctcttaaggt catccagct cgtgatggac ctttgagcaa 420
ggtaatacaa ccagtccttt tgccactcct ctaatgaatg 460

<210> 9718
<211> 580
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9718

agcttatgct gcaaataattt acaattttatc tctctttcct cagcagcaaa atcaaccaca 60
gcagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcacccata 120
ccacagatgg tccggccctc agcaacaaca acagcagcct gctccttctt tccaaaatgt 180

tggtggccca agcagacccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
 atagccaaca gttgaggccc ctccacaacc ttccctcgaa gagcttgtga ggcaaatgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
 gatggggcaa ttggtaccc aattgaataa acaacagtcc cagaattctg acaagctgcc 420
 ttctcaagct gtccaaaatc ccaaaaatgt cagtgccatt tcattgaggt cgagaaagca 480
 gtgtcaagga cctcaaccg tagcaccttc ctcatctgca aatgaacctg ccaaacttca 540
 ctctactcca gagaaagggtg atgacaaana ttacctaac 580

<210> 9719
 <211> 536
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9719

tatccccaca agagtgcaga atagttggtt agtctgtatt gattatagga ggctgaacca 60
 ggcaaccaga aaagatcatt ttccctgcc attcattaat caaatgcttg agcacttagc 120
 aggtaagtct cactactatt ttcttgatgg ttttctggt tatttacaaa ttcataattgc 180
 tcccgaggat gaagaaaaga ccacattcac ctgtcccttt ggcacttttg cctataggag 240
 gatgcccttt ggcctatgca acgcccctgg taccttcag cggtgtatgc ttagcatttt 300
 cagtgatctt ttagagaggt gcatagaggt gtttatggat gattttactg tttatggatc 360
 ctcttttgat acatgtttgg atagtctgga tagagttctt agtagatgca ttgaaactaa 420
 ccttggtgctg aattttgaaa aatgtcactt catggaagaa caaggatatag ttttagggaa 480
 tatcatttcc agtangggca tagaggtaga cctgcaaag atagctgtta tttcac 536

<210> 9720
 <211> 428
 <212> DNA
 <213> Glycine max

 <400> 9720

tttgtacttt cggaatttgc aaggatatatc ttgttatctt aggacagttt tcaattttct 60
 tcggttccaa acatgatgtc tcaagaagca atacctgctc cttccaacaa taacaacctc 120
 agagactcca cggttcaact tcatgaacca aactcaaacc ctaatcctaa ccctaattcg 180

gttaagagaa aaagaagcct acccggaaca ccaggcaagt tattatttaa ttaaatecct 240
 ctcttctgca tactatatat gtacttactg ttctgattct taattcagaa aaaatatatt 300
 tgtaattaat tacgggttaa ttatgtggtt gtgggttgcac ggaccaagca gatccgaatg 360
 cagaagtgat tgctctgtcg ccaaagtcgc tgatggctac caaccgatcc atctgcgaag 420
 tatgcaac 428

<210> 9721
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9721

taggtttcct tctagaatct tctaaactgc gtcccttgnr gcctttgatc tcttgagaaa 60
 aatgatttgt aggtactcct ctagaagggt ctctacagaa caagccttga gtaagttact 120
 acttggttca gttttttttt tttggggggg ggggggggtn tntggntatt tacanattct 180
 tattgctccc tatgatgaag aaaataccac attcacctgt ccctttggca cttttgcta 240
 taggaggatg ccctttggcc tatgcaacgc ccctgggtacc ttccacctgt gtatgcttat 300
 cattttcaat gatttttttag agagttgcat ataggtgttt atggatgatt ttactgttaa 360
 ggatcctcct ttaatcatgt ttggatagtc tggataagtt cttttaaata gcattgaaca 420
 aacctttggc tgaaatttta aaaatg 446

<210> 9722
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 9722

agcttataat atatcgatag gctcgttatt aaacattgta aactctcgcg aaattcaaatt 60
 gggcataaat ttccacacgg atgtccgatt cgggcgcata atatgtcaag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa atgggtataa aatttcacac ggatgtccga 180
 ttcaggcaaa tcacatatcg agacgatcag aattgaacaa cggaagctct tgagaaattc 240
 aaatggatcat aacattttatc tcgaatgtcc aatttaggcg catcacatat agtgatattc 300

gaaattgaac aacagaagct ctctgtgaaat tcaaattggtc ataacttttc acactgaggt 360
 ccgattcacg gttataatat atcgatacgc tcgaaattaa acatcggaaa ctctcgagaa 420
 attcaaaaga tcatgacttt tcacacggat gtccgattct ggcgcataat atgtcgagag 480
 gctcgggaatt gaacaacgga agctcttgag 510

<210> 9723
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 9723

agctttgagc aaattctttc gacaatttcg ttttactcgg atgtccgatt gagtcccgtg 60
 atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaattcaaa cgacaataac 120
 gttttactcg gatgtccgat tgagtcccgc aatctatcga gacgctcgta attgaaaaca 180
 gaagctctga gcaaattgaa acgacattaa ctttttactc ggatgtccga gtgagtcccg 240
 caagaaaccg acacgctcgc agttgaaagg ggaagctctc ataaacatcc ctcgactata 300
 acttt 305

<210> 9724
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9724

tggagtgaca tgaaagttga ttacaatgaa ctaaagtatt tggcttgctt atgtcatct 60
 aaagcaggat aagttggaac caagggcctt gaagtgtatc ttcataggct atccacaggg 120
 agtgaagaga tacaaactgc ggtgtttgga acctagacac aagaagtgca tcatcagaag 180
 agttgtaatg tttaatgaac ttcaaattgga aaatttaatc ctgccattca agtctgctgg 240
 aagttagagt tcacaagttc aggtgaagtc tgaagagatt gtaaacgctc aataatagta 300
 atggcaagag acaagtttgt tcttgcctct agacaagcaa atgaagaagc atctcaagat 360
 tattgttttag ctagagatag ggaaataagg acaatcaaac ctcttgaaag atatggatcat 420
 gcagatctga tctcctatgc tntaatagtt ggaaaggaga atgaagatca ggaggaacct 480
 cagtcctatg atgaggccat aaagcagcag gacaactcan aatggattga agctatggaa 540

gaagaaatga cttctctaga aaagaatcan acttggatac atg

583

<210> 9725

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9725

tatccatgaa caccgatata taatcacggt tttgattcta caaagataac aaaacagtca 60

tagatatatt tatctattga acagaactgt caaaaatact agtcactata taatgatctg 120

aactacatct cacctgaaag tcaatgaagt aagcatgctg tataaaagtg aaacataatt 130

acaaagtcag cgaatttatt atcaatgaaa tgaaataata gttttaacag tctcaaatcc 240

actataacac aaagtaaact tgattagtag ctccagaca tcaatggtaa ggagtggctg 300

caagagataa aaatgaaatc tcgtcagaca ttttaaccat gatgcttcag ccttatecta 360

gcattcatgt ttcaaaacat aaaatgaatt atggatatta tgtaatcctt actacttaca 420

taatagtagt ttcaaacaaa ggggttcaca gcattgggag tcttcaccac aactagcttc 480

ttgtcctcac cagattgaag aggattcaga acatntccca cgtcaagtct gctttcttta 540

tcta 544

<210> 9726

<211> 571

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9726

agcttggaga ggatgcttca atggagtttt aagatttatt gagagaaaga gagagggggg 60

agcacgaaat tgaaggaaga aaaagagagc gaagttgaac tttgagttat gtctcacaag 120

actctctttc atcaaagtta caacaagggt tccacatgct tctatttata gactaggtag 180

cttccttgag aagctttctt gagaaaactt ccttgagaag cttctttgag aaaacttcct 240

tcagaagcta gagcttagct acacataccc ctctcataac taagctcacc tccttgagaa 300

gcttccttaa gaagattcct aaagaagcta gagcttagct acacacaact ctctaatagc 360

taagttcacc tccttgagat gagaagctag agcttagcta catacccctt ataatagcta 420

aactcacccc tatgccaaaa aacatgaaaa tataaaaaaa gtccctacta caaagactac 480
 ttccaatgaa ggtaagtaaa ttgcanatta caaaattaca aaatgggcct caattntggg 540
 gggttttctc tctttgggtga ttcactcaat t 571

<210> 9727
 <211> 500
 <212> DNA
 <213> Glycine max

<400> 9727
 tgacgacgat gatgagggat atgcaaattc tgttctgtga cagaagtgga aagtaagcat 60
 gaggcatacg ctggaccaac caaacgcggg ctcccgatg gtgggatatt gatgagtgga 120
 tgtcacactg accaaacttg tgcttatgca agtactgcgg gcaacgctgc cagagcttat 180
 ggggctttta gcaatgctat acaggctata attgaggaga ctgatgggtgc aatcacaaac 240
 caagaacttg ttcaaagggc aagagagaag ctgaagaact ccggtttcac acaaaaacct 300
 ggactctatt gcagtgatca ccatgttgat gctccttttg tgtgttgatc tcttctcatc 360
 tgatgactga tgcatagaaa gagagaataa tgtgtgttgt ttatagaatg ctgggtgtata 420
 gatgtatatg tttggacaat catattgaag ttatgtgtgt gatcatacag gttttctatg 480
 catcactatt atcaggtacg 500

<210> 9728
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9728

agcttccatc actcatgttt gtcatgtttg aatgcaaaaa ctatttactg tagcaattcg 60
 tggtatcttt cctgacaaaag ttaggggtgc cataactcgt ctatgctttc tttttaatgc 120
 tatctatagc aaagtcattg accctagaaa attggatgaa ttggagaatg tggcttccat 180
 tgtcctttat caaatggaga tgtattttcc tccatcattt tttgacataa tggttcactt 240
 aattgttcat ctggcgaggg agatccggtt gtgtgggcct tttttttacg gtggatgtat 300
 ctagttgagc gatataataa gttgttaaag ggttatacca agaatacaata ccgaccagaa 360

attttgattg ttgaaaggta tgttgctgaa gaatgtatca agttttgctc ccaggacatt 420
 gaaattggta aatctgtcgt ccttcttgaa actcatcatg gccggacacg gngggggggg 480
 gggg 484

<210> 9729
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 9729
 agcttattct ccttcatttg cacaagggtc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccaac aaagacactg acaaaaactt atcttctcct tcttgacaa agtatggtag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcttatatcc 180
 atatcagcta gatcttgacg ggtattcaag ccacctctcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcactcca gtacggaaga tcaaagaaaa tggacctctt tttccatatg 360
 caactctgac ttt 373

<210> 9730
 <211> 569
 <212> DNA
 <213> Glycine max

<400> 9730
 tctagtcaaa tggacttacc ttgaattaat tcctttgtta gccctttga gcctatgctc 60
 ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga taccacctta 120
 cccttaagga attttgagc tttggaattg ttttggaat aagtgtgtgt gtgtgggggg 180
 gggagggcac gcataccata cattcctcca ccaatccaac aacagcaaca accccagaaa 240
 caaccaacag ttgaggcccc tcacaacct tcctcgaag aacttgtgag gcaaatgact 300
 atgcagaaca tgcagtttca gcaatagact agagcctcca ttcaaagctt aaccaatcag 360
 atgggacaat tggctaccca attgaatcaa caacaatccc agaattctga caagctacct 420
 tttcaagctg tccaaaatcc ctaaaatgtc agtgccattt attgaggctg gaaagcaatt 480
 gtaaaagacc tcaaccggtt cacctttctc atttctaattg aacctgcca acttactcta 540

tttcagaaaa tgggatgaca aaatttacc

569

<210> 9731
<211> 519
<212> DNA
<213> Glycine max

<400> 9731

ctaagcttca catatatccc gcaaattatc ccaagtagca cccttagcct ctattgcttc 60
ccattgaatc aacaattgag acatggtagc ttctaaatgt ttgacaactc gaacattcaa 120
caccttccat gggcaaagtg ttggtcccag ttcactagaa gtgagtggaa aaggaagata 180
tggtggagga cttttgcat gaaatggttt cagaagagca atatgaaata caagatgtat 240
tttagcagac tcgggtagtt gtactttata tgcaacagta ccaattcttt caatcactgg 300
aaatagacca aaatagtgc tgcctagctt ccgatgcttc ctcaaagcca ctgaatgttg 360
cctataaggt tgtagcttaa ctaaaaccaa atcaccaacc ttaaattgca aatctcttct 420
tttcttatca tcttgcatct tcatatattg ttgagccctt agtaaattac ccttaagctt 480
gctcaaagtt gatcaacata gtgtaaaaat tcttgagtg 519

<210> 9732
<211> 426
<212> DNA
<213> Glycine max

<400> 9732

agcttctata agaagattcc taaagattct agagcttagc tacatttacc tctctaatag 60
ctaagctcac ctccctgaga tgagaagcta gagcttagct acacaccctc tataatagct 120
aagctcacc ccatgacaaa aaaaaatatg aaaatacaaa aaaaaagtcc ttactacaaa 180
gactactcaa aatgccccga aatacaaggc taaaacccta tactattaga atggcctaaa 240
tacaaggccc aaacaaagaa aaaacctatt ctaatattha caaagataag cgggtcatgc 300
ttagctcatg ggctcggaat ctaccctaag gctcatgaga accttagggc ctcccttg 360
atctctagcc caatctactt ggagtcttct acccaatgcc ctgcgggat aggattgcat 420
cattcc 426

<210> 9733

<211> 594
 <212> DNA
 <213> Glycine max

<400> 9733

cactactcaa gcttcatgat gatgaatcaa gctgattcag gaaggggtggt tgacatcttg 60
 agatgatgac aaaaagccca atagagtgat ttcaagattg agtcaacaat tcaagaatca 120
 agagtcaaca cttcaagaat caagaaaaga taaattcaag tttcaagaga agaaatcaat 180
 aagacttcac aagggaagta ttgaaaagtt ttttcaaaaa acaaacatag tacagttttg 240
 ttttccaaaa gaaggagaat caggattagc taagttacca gagctgttac tctctggcaa 300
 tagattacca gtttcttgta attgagtacc agtggcaaag attgttttca aaagctttca 360
 actaaattta caacgttcca attaatttca aaatggtgta attgattaca agatattggt 420
 aatcgattac cagtgtgggt gaacattgaa attcaaattc aattgtgaag agtcacatct 480
 ttgcacaaaa atgctttgtg tgatcgatga ccaagatttg ataatagcat tccaatgaca 540
 agttttgaac aaaaatcaaa agatggaact ctttcaatgg ttttaaatTT tttt 594

<210> 9734
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 9734

tatgctgcaa atatttacia tagacctcct ctaccttate tagcaaaate aaccacagca 60
 gaacaattat gacctctcca gcaacagata taaccttgga tggaggaate accctaacct 120
 cagatggtcc agccctcagc aacaacaaca gcagcctgct ccttctcttc aaaatgctgc 180
 tggcccaagc agaccatata ttctccacc aatccaacaa cagcaacaac cccagaaaca 240
 accaacagtt gaggcccttc cacaaccttc cctcgaagaa cttgtgaggc aatgactat 300
 gcagaacatg cagtttcagc aatagactag agcctccatt caaagcttaa ccaatcagat 360
 gggacaattg gctacccaat tgaatcaaca acaatcccag aattctgaca agctaccttc 420
 tcaagctgtc caaaaatcca aaaatgtcag tgccatttca 460

<210> 9735
 <211> 605
 <212> DNA

<213> Glycine max

<400> 9735

agcttgcaag tgaaatctaa ttactctact taagtacgca acacaaagaa tagtttacac 60
tagaataaaa aggtatgggc aaaagagtat tctatataaa atatatctcg atacgagtc 120
tcgaactata gagtatcaac attgctaaga acaagaaatc acgaacaacc atactatcta 180
tgcaattaag gcaaaacacc atactactaa cataccaga attataaggt tcttataata 240
agtatacaac gtacatataa gaagtaagaa tttaatagtt aataaggatg tattaagaa 300
tcacaaactt caactactac attcagcact acacacaaaa taaagtgagt taagtagtca 360
tgcggtttaca catcaagaaa ggcatactca tccaagacat atatatgggt caaaagggtt 420
tcacaacact aatccacaca tcaagataga aataagttta ttaacaacat acaagcaaga 480
agataagggc ctcatgaagc attatccatc agtatcaaag cttcttgcat cacctaacgg 540
cttaccataa tgcgaaccc gacttcacaa attatagaga tgggcagctc cataactcat 600
gactc 605

<210> 9736

<211> 604

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9736

agcttttagtc aaacagaata atccgtttat gtcatagaat tgggtgttga aagagcataa 60
caagactttc tgtgattggc ttaaagatac aatctttgta gatgagaatg ctttagaaac 120
attaagaaag ctacgagatg ggccataaag aaatgttata acctggcaag gatacgacat 180
aaacaagtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt 300
agctttcatc cttactttg gggtcattga tgaaatttgg gagcttaatt atttgaaatt 360
tacagtatgt gttttcaa atgaaatgggt tgacagcaac accggtgtgc gcaccgatga 420
tataggattt acgctggtag atctaaagaa acttggttac cacaatgacc ctttcatcat 480
ggcagaacaa gctagacaag tattttacgt gcaagaccct tgtgatgaaa ggtggtgtgt 540
ggttctgcan ggcaaaatag ttggtgttaa tgtagaagat gaatattcat acatggacac 600

ctat

604

<210> 9737
<211> 376
<212> DNA
<213> Glycine max

<400> 9737

actccagctg cacagcagat ttctggttatg acccactttc ccactcatta aaaaccacca 60
cgccataaac ctagggaact atacaaaaac agatcggccc ctggatggag gaatcgoggt 120
aacctaaaat ggcccacacc atcaaaccag ccacacacca ttggtcttc cataacgaag 180
gcgcctaggc cgccataacc gcccttatct ccaccagatc tacacctaac tcaagcccat 240
atacaagacc aaccggaagc ccactcacgc catccacctt aacaacgagg gggccaatga 300
ctatacaaac catgcacttt cagcaagaga ctaaaggctg ccaccaagc ctaaccctc 360
agaggcgaca ttcggc 376

<210> 9738
<211> 644
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9738

taaaaattta agaaaaaac attgtacata aaattctctc atttttcaaa taataataat 60
actaatatag acatattata aattatTTTT taatttctat tctaaatat taatttaaaa 120
tattataata aataaagcgt tagtatttaa tattattatt attgaaatta atttttgatt 180
tagtatttga gatttgaata aatatgaaca aaaaagttac taaatagcat ctttcattat 240
tggttttttt taaaaaaatt taatgattcc caaaagagtt aaataatcaa attatcaatt 300
gttaacaatt ttggttaaaa caaccatag tgaaacagac aaaatattaa taagaaataa 360
acttattgaa ttggaaggtc ttaaaaggaa aaaatgcaca tccgtcataa atttaagaca 420
aagaactttt anaattcttt aattaacatt ttaaccattt atatttgaac aactgtttca 480
aaaaaaaaat tcttacagaa tcatttatac tatttaaccg tgctggaaaa aaaaaacca 540
caactcttga attttatttt aatgcacatt tcttatttat aaagaataga aaggggttgg 600

tgcattttct taattccttg ccgatgggtt aaaaaagaaa agaa

644

<210> 9739
<211> 333
<212> DNA
<213> Glycine max

<400> 9739

agctttttta tttgcttgat gccatttttg atgaagttgg agaaaagaat gttgttcaag 60
ttgtaaccga taatgggagc aactatgttt tagcgggtaa gttgttggag gagaaaagga 120
aacatattta ttggactcct tgtgcagctc attgtattga tttgatgctt gaagatattg 180
ggaagcttcc cttgataagg aagaccatta gaagggcaat taatctactt gggttaatgt 240
atgcccattc tagtacctta agtttgttga gagattttac aaacaagaag gaattgggtga 300
gacatgctat tactagattt gccacttttt atc 333

<210> 9740
<211> 596
<212> DNA
<213> Glycine max

<400> 9740

gagattacct gcaggcacgc aagcttctta tccaaggctc atcttggttg tgaagcttct 60
tcttccgtgg cttattcctt aatggatggc gcctcctctc acctcctttc ctttgtcttc 120
cgctgcatct ccatgggtga aaatcaccat taaaggaccc cattgaagct caaagatcca 180
gcctccatag aagccccaca agcaagcttc catcacttag gctataaata gagggcatgt 240
gtatgcattt tttcaacttt gatcatttga gaattacact tcaaagttca tacctctttt 300
gaggcacaaa attttgagcc cttctctctc ctctgcctac actcatcttc tectaccttc 360
aagctcttat ccaaggcttc ctatgggtgg gagctgcttc ttgactcatt atttccttga 420
agaggcatct ccaatcatca ttcttccttc tttattctgc tgtcattaaa ctcatgcag 480
caaaggactc cattgatgaa gaagatccaa ggctacaaa ctgcaatgga gctacatcat 540
gtggtatcaa gagcatcttc atctaggtga agtgcttttg cttcctttat cttttt 596

<210> 9741
<211> 572
<212> DNA

<213> Glycine max

<400> 9741

agcttgagct tagctattca tacctctcta atagctaagc tcacctcctt gagatgagaa 60
gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaacat 120
gaaaatacaa aaaaaagtcc ttactacaaa gactactcaa aatgccccga aatacaaggc 180
taaaacccta tactactaga atggccaaaa tacaaggccc agacgaagga aatacctatt 240
ctaataattta caaagataag tgggctcata cttagcccat gggcttgaaa tctaccctaa 300
ggctcatgag aaccctaggg tcttccttg gatctctagc caatctactt ggagtcttct 360
accaatgcc cttgcggggg aggattgcat cagaaaggc acccttcaa gacggctctc 420
caaccgatgt cggatttcaa cgacactgtg ttaccaccac acgtcataac cgatgtagaa 480
atgtcattag agccgatgta gaaggccttt tttttaata ttgaacttaa gttccatcat 540
catgttattg ttgcgagcag aacatatata ta 572

<210> 9742

<211> 514

<212> DNA

<213> Glycine max

<400> 9742

agcttctggt gggacatttt gacttgtttt ccaatctgac attcaccaca gattctgcct 60
tcttctattt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcata ttctttggag 180
gatagacatg tggaggagta gcttgtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttaa cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgcagtc 360
agtccttca ccagcagtac tttgtccaga ctaagaagtc catcatgaac tagccttccc 420
attccaatga tctttccttt agagccatct tcaaagtca catagctagt ggagcagggc 480
tcaatgttca ccaagaattc ttttaacttct gtca 514

<210> 9743

<211> 424

<212> DNA

<213> Glycine max

<400> 9743

tytaggggta aagtctcacg ataggcaatt gctttttctc aattgtgagc cgtgggtata 60
cgagacatct tgccaaacaa agtcagggtta gccataactc gccagtgcct tttcttccat 120
gctatatgta gcaaagtcac tgatcctgtc aagtttgatg atctggaaaa tgaggctgca 180
attatattgt gccagttgga gatgtatttt cccctgcat tctttgacat catgattcac 240
tggattgtgc atctggtcag agaaatcaaa tgttgtgcgc ctgtttatct acggaggatg 300
taccagttg agcgatacat gaagatctta aaagggtata cgaagaatct atatcatcca 360
gaagcatcta ttgttgagag ggacattgca gaataagcca ttgaattttg ttcagaatac 420
attg 484

<210> 9744

<211> 375

<212> DNA

<213> Glycine max

<400> 9744

aatctatagc aatgtgcttt tctcttatga atataccag caatagcaac aacctccatt 60
ctatccaata ggggattatg tatcatttca acaacatttg tagtgcaaac aaaaagaact 120
tgcaacgcac aactgcttaa gtaattatgg taaaaacaag cctactttgc ctacagggaa 180
ttgaatgaaa gcaatacatt caagaactat ttgaccatcc taagaactac ctatcagcaa 240
taaacacaat taataaacca tgtacaaatg ctaactatat cacaatctca ctacaaaggc 300
tctagattat aaattaatac ctttgataga tcaatggtaa catcaagata gtgggtcaaga 360
aaattagcat tctgc 375

<210> 9745

<211> 435

<212> DNA

<213> Glycine max

<400> 9745

tgcaagcttc tagcgtaacc gctattggtg tctataaaat tcaaaaacaa atccctctta 60
ttactagcta ttttgaattc tttagttcct gaatgtacaa ccttcaaatt gttgctcggt 120

cccgtatttg ttttttgcaa aaaagaaaat taatctgaaa caattcacgc tgaatcggtta 180
 tcgctattat tactcgaacc ataggggaata acagctcaac aagtaattta aaatgtaact 240
 tttaaattat gtgggatttt ttttaattaca attttacttc aatatctaata tttgttaatc 300
 tacttaggtc gcttttttaa tataaatatg aatgtaaagg tgatctactg ataataataa 360
 gtacttgcta atcacaaatt atgataccta tcattctaca atttaactga attgtataaa 420
 tattaataaa tttat 435

<210> 9746
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9746

agcttctcga tatattatgt ggctgattct gacttccgtn ngattagtta tgaccatttg 60
 aatttctcgg gagctctggc tgttcaattt cgagcgtctc gatataattat gcccctgaat 120
 cggactttcg tgtgacaagt tatgaccatt tgaattccac gagagcattc gctgttcaat 180
 ttcgagcacc tcgatataatt atgcgcctga atcggacttc cgtgtgacaa gctatgacca 240
 tttgaatttc tcgagagctt ccggttttca attcagagca tctcgatacg tgatgcgcta 300
 gaatcggact tccttgtgaa aagctatgac cattggaatt tgtcgagagc tttcgatggt 360
 caatttctac cgcttgata tattatgcac cttaatcgga catccgtgtg acagtcatga 420
 cca 423

<210> 9747
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9747

agcttgaag tgtaatatgg gtctatttc tcgattttta ttngcaagac acgggctccg 60
 aatgatttat attgtcgctt gattgcagct gcagatattt taccattttt tatatagaaa 120
 atattcaaca tacatttgtg aggaaaaaga tatgcactct actcacacca gaaaactaat 180
 cttactttta attttctaca gtatatatac taattaacat ttttaattta tgaatctcta 240

tatttacttt ctcttctatc gtactttaat cttatttctt tcttctatat ttctttccat 300
 ctcattacat aatacatcta tcattatttt ttctattatt tccgacagag tcagatctta 360
 tggtgtctgt cgatggctgg ttcttattta c 391

<210> 9748
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9748

cttaagcacc gcggtgcag cttatgcagt caatttagat tcctctcgga gaggatcttt 60
 tccaggcata nttgtgcaaa atctcttgaa ctaggaagat gttgtccatc atctttctgt 120
 ttttaatgaa ggcagtttga gtttccccaa taatagtctc aagcactggg gctatgcggg 180
 tggctagaat tttagacaca atcttgtata acaaattata gcaagatatg ggtctaaaat 240
 ggttaacctg ggaggcctga tcctgcttag gaataagcac aataatagca tgggttgattt 300
 gctttaaaaa ttttccagtt gtaaagaatt cattaaccgc cgcaaagata tcctcaccaa 360
 tgatatt 367

<210> 9749
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 9749

ttcacttggg tgtccgattc aggcgcacatc tatatctata cgctcgaaat tgaacaacgg 60
 aagctctcga gaaattgaaa tggtcataac ttttactca gatgtccgat tcaggcgcac 120
 catatctcga gacgctcgaa attgaacaat ggaagctccc aagaaattca aatggtcata 180
 agttatcaca cgaaggtgcg ttttaggagc atcacatc gagacgctcg atattgaaca 240
 acggaagctc tcgagaaatt gaaatggcga taacctttca ctcggatgtc tgattcaggc 300
 gcatcatata tcgagacggg caagattgaa caacggaagc tctcgagaaa tagaaatggg 360
 cataacttat cactcaaagc tctgattcac 390

<210> 9750
 <211> 338

<212> DNA
<213> Glycine max

<400> 9750

agcttccagt tctcaatttc gagcggtttt atatattatg cgccttaate ggacctcctt 60
grgataattt atgaccattt gaattttctcg agagctccca ttgttcaatt tcgagcgtct 120
cgatatatga tgcgcctgaa tcggacctcc gtgtgataat ttatgaccat ttgtatttct 180
cgagagattt cgttggttaa tttcgagcgt ctccatatat aatgtgcttg aataggacct 240
tcgtgtgaaa agttataact atttgaattt ctcgagatct tccctgggta aatttcgggc 300
gttttcatat gtgatgtgct tgaatcggac tctctgtg 338

<210> 9751
<211> 389
<212> DNA
<213> Glycine max

<400> 9751

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggaata agtatggcaa 120
gctgggggca agtaaatattt ctcccatca gaccttggat gcaactatga tcgtatcccc 180
atatcagcta gattttgacg ggtattcaag ccacctctcg tcttgccatg aatgttaagg 240
agcatcccaa tcacactgtc acaaacattt ttctccaaat gcataacatc aatacaatgt 300
ctaacgtcta gatcagacca gtacggaaga taaaagaaaa tggacctctt ctcccatatg 360
caactcttac ttttatacct tttttgggt 389

<210> 9752
<211> 418
<212> DNA
<213> Glycine max

<400> 9752

agcttgggct aagcaagttt gcccgctaag cccaaggcac ttgtgatttt ttgtatgtct 60
tgccatgcac taagcgtgcc ctgtcacgtt aagcgcaatt tactctttgt ttctatagtt 120
gttgaattg ggcttagcga gccttctcgc taaaccattt gatgcaatcc taccgccgaa 180
gggcattgga tagaagactc caagtagatt gggccagaga tccaagggaa ggccttaggg 240

ttctcatgag ccttagggta gattttaage ccatgggcta agtatgagcc cacttatctt 300
 tgtaaatatt agaatagggtt tttccttcgt ttgggcctta tattttggcc attctagtag 360
 tatagggttt tagccttgta tttcggagca ttttgagtag tctttgtagt aaggactt 418

<210> 9753
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9753

agcttgtaca ttcaatttcg agcgtttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgttgtttg aatntgttca gagcttcaac attcaatttc gagcttttcg 120
 atatattacg ggacacaatc agacatccga gtaaaaagtt attctcgttt gaatttgctc 180
 agggcttcgg taatccattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaatttgct cagagcttct acattcacat tcgagctttt 300
 cgatatatta cggactcaat cagaca 326

<210> 9754
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9754

aatctcagct taacatcaga ccacttcagg tgctggaact actttacatg tgatntgatg 60
 gggcctatgc aagttgaaag ccttggagga aagaggtatg cctatgttgt tgtggatgat 120
 ttctccagat ttacctgggt aaactttatc agagagaaat cagaaacctt tgaagtattc 180
 aaagagttga gtctaagact tcaaagagag aaagactgtg tcatcaagag aatcaggagt 240
 gaccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc tgaaggcatc 300
 actcatgagt tctctgcagc cattacacca caacagaatg ggatagttga gaggaaaaac 360
 aggaccttgc aagaggctgc tcgggtcatg cttcatg 397

<210> 9755
 <211> 381

<212> DNA
<213> Glycine max

<400> 9755

gcttcaacat tcaagtttga gcgctctgat atatgtcgag actttatcag acatccgagt 60
aaaaagttat tttcgtttta attggctcag aggttcaaca ttcaatttcg agcgctctcg 120
tatattacgg gactcaatct aacatccgag taaaaagtta ttgtcgtttg aattggctca 180
gggcttcaac attcaatttt gagcgctctg atatatgacg agactcaatc agacatccgc 240
gtaaaaagtt attgtcgttt gaattgtctc agagggttaa cattcaattt cgagcgctctc 300
gatatgttac gggactcaat cagacatccg agtaaaaagc tattgtcggt tgaattggct 360
cagagattca acattcaatt t 381

<210> 9756
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9756

agcttctcga tatattatgt ggctgattcg gacttccggt agattattta tgaccatttg 60
aatttctcgg gagctntggg tgttcaattc cgagcgctctc gatataattat gccctgaat 120
cggactttcg tgtgacaagt gatgaccatt tgaatttcac gagagcattc gttgttcaat 180
tccgagcadc tcgatataatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240
ttcgaatttc tccagagctt ccggctttaa at 272

<210> 9757
<211> 412
<212> DNA
<213> Glycine max

<400> 9757

actaagcttc caaagaaagt ggcaaaagaa tattcaaat aattttcttt cataccatag 60
ataaatagta ataaataaaa gaagtttaag ggaagagaga aatgcaaact tgatttatac 120
tggttcggcc acttcccggt cctacgtaca gtctaaagc aaccacttg agattttcca 180
ctctcttgta aaatcctttt acaagttctg aacacacaag gacaatcctt cctttgtatg 240

cagaattcct ttacaacaag agaccatcgg actattaatc ccttttcaga agtgagaaga 300
 agagaagaag aaatctctct tgaaagagat agattgtaca atgaagatca atcacaattc 360
 cttattgcat atgcaagtgt ttgaccaacg aatcttcaag aggataagac at 412

<210> 9758
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 9758

cttggagttt ccaagtgcc aatcgtcttc ttcttttgtc cagtcttctt ctggcttcaa 60
 ttcattagtg ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttcatgac 120
 aactttccag gttctgctat ccagtgattt gaggaaggcc accatccttg ctttccagta 180
 ttcatagttg gttccatcca gaattgggtg tctgttcaact ggtcctcctt ctttctccat 240
 gttcatcaga atttatctcc ctagatctca ctcaagtatt tagagtgcc gctctgatac 300
 caattgaaat tctgatacca atgccagatg tcgtacagga tgtcacgaca tcacgcttca 360
 gaacatgcag attatatttg agtgt 385

<210> 9759
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 9759

agcttgaatc ggacatcttt gtgaattgtt atgaccattt gaatttctca agagcttccg 60
 ttgttcaatt tcgacacctt cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagtctt cgatgtttta tttcgagcgt atcgatatat 180
 tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240
 tccgttggtc aatttcgaat atcactgtat gtgatgcgcc taaatcggac attcgagtta 300
 aatgttatga ccatttgaat ttctcaagag cttccgttgt tcaattctga gcgtctcgat 360
 atgtgatttg cctgaatcgg acatccgtgt gaaaagttat gaccatttga atctctcaag 420
 a 421

<210> 9760

<211> 375
 <212> DNA
 <213> Glycine max

<400> 9760

```

tgttatggaa gtcaagagca tgaaagtgtt ccaattttat taactgggtca atacgttcta 60
gagcagggtg atgacatcaa tacgatattt ggaaagaccc ataagaagga aaaaaagtaa 120
aacttgcata ctgaagaaga ggtcgatatt gtttgatctt ccatattggt ccgatctaga 180
tgtcagacat tgtattgatg ttatgcatgt ggagaaaaat gtgtatgata gtgtcatcga 240
catgtttctt aacattcaag gaaagacaaa ggatgatttg aataatcgtc aagatctaga 300
tgagatgagt atatgagacc agttatgtac ttgggtcta at ggtgagaaaa tatacttggc 360
tccaacttga cttac 375
  
```

<210> 9761
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9761

```

agcttgaagg cattctttat tgaagtttaa caatttttat ttgacaagta aattattgag 60
gggtttggca atcttagaga aatgttgtat gagctttcta tagaaaccag catgccccaa 120
atgtttttac tcttttcattg tctcaagggtg gtgggagctt ttcaattact tctatcttgg 180
cttgatatac ttcaatacca cttgctgaaa ttttatgctc gagcactata ccttcgggtta 240
ccttgtagtg caatttttgc caattaagca caagggttctt ttcaattcat ctttctagga 300
ctctntccaa gtttttgagg catgacatga acaatgatcc gattatagag aaataatcca 360
taaatacctc tactcattnt tataccatgt tagaacagat gacattcata cat 413
  
```

<210> 9762
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 9762

```

tgaagggtgtg taacccccca tttttcacag taaaatattg gtaatgtgtc tactattatt 60
gtgatcatct ctttctccgt cattggaggt gccacttgag ctgccagggtc tctccacctt 120
  
```

tgggCGtatt ctttgaaaga tttgtgcccc tttttgcaca tgttctatag ttgcattcta 180
 tccggagcca tatcagaatt gtattgatac tgcccaacga aggcaaccat taggtcttcc 240
 caagaatgga ctcggaagg ttccaagtta gtgtaccagg taacagctac cccagtaaga 300
 ctttcttggga agaaatgtat cagcagttcc tcgtcttttg cgtatgcccc catcttccga 360
 caatacatct ttagatgggtt cttgggg 387

<210> 9763
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9763

agcttaccgc tgtgcatgtg ctgctgttct aactggacat gctttattgc acactctcta 60
 tggccaagct atgagacata ataccagtt ttttgtggaa tattttgcat tggatctttt 120
 aattaatagt gatggtaagt tgttgcagaa aacatcttgc tttcacttaa tttgcaatta 180
 attaacctaa tgaagtctta gccttcattg gtcttgatga gtaaatttcc catgtgcttc 240
 acatcacttg ttacaaatgt gttatctgtt tcaatggtaa tttctttatt aaacaagcat 300
 tcaatggtgg aaattttntc ttttgtcctg gtgatgggaa agttaactaa tttctttcta 360
 tattggatat 370

<210> 9764
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9764

agcttttacc aaagagtttt tactctctag taatcgatta ccagtttatt gtaattgatt 60
 accagtagca aagattgttt tcaaaaagct ttcaactgaa tttacaacgt tccaattgat 120
 ttcaaaatgg tgtaattgat tacaatgatt tggtaatcga ttaccagtgt gtttaaactg 180
 tgaaattcaa attcaaatgt gaagagtcac atcctttcac aaaaatgctt tgtgtaattg 240
 attacaatga tttggtaatc gattaccagt gataagtttt gaacaaaaat caaaagatgt 300
 aactcttcca atgggttttca agtttttcta aagggtataa ctcttcta at gggttttctg 360

accagacatg aagagtttat aaaagtaaga ccttaacttg cattntacaa cac 413

<210> 9765
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 9765

agcttggtcca tccacgatgt ctccaatata aaggtctacc cctaaccatt tgctcacacg 60
 aacatgaaat tggacatcac cataatcaaa tccatgtgtc ccacactcaa agataagctt 120
 aaaaaataat tataattaaa acaattttaag aaacatcaat taactatgac ataaactcta 180
 tcattctttag atcatgggtat ttgaaagtaa ataaaaccaa taacatccag ctacacataag 240
 ccaaacatct catattcaac tatcatgaaa caattcaaga atcaacatca tgcattcaact 300
 atcaagcatt atcaacatga gttcatcaat catcatcaac atgaacacca aacatcaaca 360
 ccaacgacag actctactcc atggatattt acaccacatg aggaattaac caaagtacat 420
 ccctta 426

<210> 9766
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9766

tttgaanaga cacatctctt caaaccattt tgattatgca cgaagggcct atatatatgt 60
 gtgtctgaat tntaaaaaaaa agatattcca agagaacttc aatgccaaat tctctttcaa 120
 aagaaactct tgggcaaaca cgtgcaaadc cattaagagt ttctccatgg acttaaattg 180
 taatatacctt ctcttcaaga gagaattctt ctttctttct tctcattcaa agagattgat 240
 taagggactg aggatctctt aagttgtaag gattactgaa cacaagggat gggttgtccc 300
 tgtgtgggtc agactttgta aacggatttt tacaaaggga gtggaaaatt tcaagtgggt 360
 tacttgagta ctggacgc 378

<210> 9767
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9767

agcttatata cagaggtggt gctctgtgtg ggagaagacc attntctatg gctgccactc 60
tatctgttac aataagtatg tagtcaagaa acatcacttc aaccattaga cccattctag 120
tgaagacaat agttaagggt ctaagggtgc tagacatcat gggtgcatgg tgtatgtaaa 180
catctcactc atgtggatct tcaacacttg accaatgtta ggtggcattt taccacctgg 240
tatagtggct tctgttcgca atgttacagt gtgcattact tgcatagetg ttagtgtgaa 300
cattccatga gttgtttctc cagacaacat tattccatca gaaccttctc gaacaacaat 360
tagtatatct gataacctct 379

<210> 9768

<211> 204

<212> DNA

<213> Glycine max

<400> 9768

caccacttct tgttgaagat gagtctagaa gaagcttacc accataggaa gccatggata 60
acaccttgaa ggtataacaa gatgattgaa gggtagaggaa gagaaaaaca tgaaatttag 120
tgccctttaa gagaaactgaa ttttgtagtg taattttcaa atgatcgaag ctgaaaaaat 180
gcacactggt cacttccggc agtg 204

<210> 9769

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9769

gagaccacct gcaggcacgc nagcttgga cgaataaaact gaaaaagttt tcgagggttag 60
cttttggtga agatgtcggc gagttgaaga tgggaaggaa cgaattgagt aatgagcctt 120
ttggagagaa ctaactcgtg aacaaagtgg tagtcaatat caacatgatt ggcacgcttg 180
tgagcaaccg gattctggga aagaaatgta gctcttttgt tatcaciaag aagagtaggg 240
ggagcagagc aaacatgcag attgcgcagc aaatgagtga accacattag cttatctgct 300

gtatttgcca tagcccaata ttcagattca gagctggaac gagcaatagt aggctacttt 360
 ttagcactcc aggacacaag attaccttcc aagaatatcg agtagccata ggtggagtga 420
 cgcgctctcaa cacaatgagc ccattcgaca 450

<210> 9770
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 9770

ctgattgtag tggaatggag aaggaaaaag atgaatggag acaccacttc aagtagaaga 60
 tyagtctaga agaagcttac caccatagga agccatggat aagagcttga aggtagaaga 120
 agatgaatga agggagagga agagaaaaac atgaaattta gtgcctctaa agagatctga 180
 attttgtagt ggtaattttc aatgaatcaa gttgaaaaaa tg 222

<210> 9771
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 9771

aaacattaaa tttcgagagt ctcgttatat tacggtattc aatcagacat ccgagtaaaa 60
 agttattgtc gtttgagtag gctcataggt tcaacattca atttctagcc tcacgatata 120
 ttaccggact gaatcggaca tccgagtaaa aagttattgt cgtttgaatt ggctcatagg 180
 ttcaacattc aatttcgagc ggctcgatat attacgggac tcagtcagac aaccgagtaa 240
 aaagttattg tcgtttgaat tggctcatag gttcaacatt caatttcgag ccgctcgata 300
 tattatggga ctcaatcaga catccgagta acaagttatt gtccgttgaa ttggctcata 360
 ggttcaacat ttcattgccg agcgt 385

<210> 9772
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9772

agctntaagc caattcatac gacaattact ctttattctg atgtcngann gagtcccgtg 60

atataacgaa acgctcgaaa ttgaatgttt aacctatgag ccaattctaa cgataataac 120
 tttttactcg gatgtccgat tgagtctcgt aatatatcga cacgctcgaa attgaatggt 180
 gaagctctaa gcctattcaa acaacaataa cgttttactc ggatgtccga ttcaatgacg 240
 taatatatcg ggacgctcga aattgaatgt tgaacctgtg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtcgc gcaatatatc gagacgctcg aatatgaatg 360
 gtgaacctct gagccattca aacgaccata actttttactc ggatgtcgat g 411

<210> 9773
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9773

agcttgtcaa gggaacatTT atgcattatt tcatagatga gagctttctt gcgtccttcc 60
 aaacagaatc aaagaagtat gacaacatta acatgagaag ttctactgat acactattag 120
 aaaatatgtt ntctacatcg gttatttatg actttcaaca tcggtttttc aaccgatgtt 180
 gaaagtaccg acgttgatag tattatcggt aacatcggtt tttgaanaac cgatgttaac 240
 gtaaaattac caacatcggt tatattaata ac 272

<210> 9774
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9774

cagcttccac gtatatgacc tacatgatca catgataact ttttaatttc tttacataag 60
 taaaggggca tcattttcaa tcatgatata ctacagaaat ggaattttta ccatcttctt 120
 gtaacctcca gatgcatgtt tcttcttcaa gacttcaata aagtccatag cataaaggta 180
 tggcatgttt ggcaccccta caaaatacaa atcaaatagg aaatgactaa gttataatgt 240
 ctttatctaa tatgaacata gttctggatt gatcattttt acacccttag ataattttgt 300
 tttatacaac tatgttcaca tattaaacta tacctccatg aaccacagaa agaaaaaagt 360
 ctttaggatg ataattntta ttttttttac ttaaagtc 398

<210> 9775
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9775

```

agcttcaaca tcagaccact tccagtgttc tggatttata ttcacatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctngtcaa ctctatcaga gagaaatcag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240
catggcagag agtttgaaaa cagcaagttt actgaattct gcacatctga aggcactact 300
catgagttct ctgcagccat tacaccacaa caaatggca tatgtgaaag gaaaaacagg 360
actttgcaag aagctgctan ggtcatgctt catgccaaag aacttcctta taatctctgg 420
gctg 424

```

<210> 9776
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9776

```

nttctttgtg ggttgatggg ttctgtcgcg cacaatgtca tgttcactgg ctgacataact 60
ctcaattagc tcagttgctt cttccggggg cttcagcttt atttttcccc ttgcataagc 120
atctatcagt tgcttggtt ggggtctcaa cccatatatg aacatattca attgaattgg 180
ctcaagaaac ccatgagtgt gagttcttct caataaacct ctgaacctct ccaatgcttc 240
actcagagat tcatcacgga attgatgaaa tgagaagata gcagctgttc ctctcaaagt 300
cttggaactct gggaagtatt tctttagaaa ctttttaaca 340

```

<210> 9777
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9777

taccactata gtctatacaa agaaattatt gtgatttttt tacgctttac taagggtataa 60
 ggggaagtaa taatttttagg attttgagat aattatcatt cccttatgtg atgagtgatt 120
 ctagaatgag aagtgtttat tgggcttggc tcttccaaag tgaataaggg taaagtaatt 180
 aatttttagtc attgatgaaa aaaattagcg gttgatattt caactcattc ttgatttggt 240
 atgcaagtgc atgtaatatc gactattaat tttctcatta atgattgaga atatttaatt 300
 tactttctag agtgagttgc tcacgaggag ctaaattctt attgaaatgt tttcttctgt 360
 ttctgtgtct aacagcaact ttctcg 386

<210> 9778
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9778

agcttgtcct tcacggctta catgatttca ctggcatggt ctgcagcatt gcctacaatt 60
 ggaagcaaga tgacagaaat aaaagccact gacatattca atgactcaga tgctccctgc 120
 aagagaccag aaacacaata tgtctatgaa tgaacttatg acgcagtgtt tatggacaag 180
 aacaagaata ggaatattag aagcttttagt tgtacaataa tagaaattaa tgatcaagaa 240
 attctgaaaa tgatatagct atacctgtat ggcgtctaca aggtatccag acaatataga 300
 taccatgct gtcaagatag caagccagat tattgcctcc cattgagtta attcaagatc 360
 ttctccaca tcagaattnt caccattctc tctccctac attatg 406

<210> 9779
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9779

ntntgagctg tatcaatcaa ctctattgac aagtttgctc tttgcatgaa tgtaatgatg 60
 aaattttaat gataaatgac gcagttataa aatggtgggt agaaaatatg tgatagagga 120
 ggagatggaa tgcagtgttg ttacttcaat tgaatcataa atgaatgaga ggcttacatc 180
 ataaagccta aacaattgat attcatcaat taagatcaaa atttaatcca ataattaaac 240

aatgttaacc cacaaaattc caactagaac aagaaacttc agttattacc tctatttggt 300
 caccgacatt aatcaggaga gcatcaggga ttattggaac tttaaaccac tgatcatctt 360
 tgaggacttg gaggccttct acttctttg 389

<210> 9780
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9780

tataatatat cgatacgtc gaaattaatc atcggatact ctcatgaaat gtaaattggc 60
 ataagttttc acccggatgt ccaattcggg cgcataatat gtcaagagtc tcgaaattga 120
 acaacggaag ctcttgagaa ataaaatggg gataactctt tacaccgatg ttcgatttat 180
 gcgaatcacg tatcgagacg ctccagaattg aacaacggaa gctcttgaga aaatcaaattg 240
 gtcataaaat ttcacaccga tgtccaaatt agggcgcata aatatagtgc gctcgaaaat 300
 gacaacggga gctttcgtca aattcaaattg gtcataattt ttcacactgg agtccgattc 360
 aggctataat atatcaa 377

<210> 9781
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 9781

agcttgaatc ggacattcgt gagaattggt atgactatct gaattttctca agatcttccg 60
 ttgttcaatt tcgaccttct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag 120
 ttatgactat ttgaatttcc tgagagtttc cgatgtttaa tttcgaacgt atcgatatat 180
 tataagcttg aatcggacat ccgcgtgaaa agttataacc atttgaattt ctcaagagct 240
 tccgttggtc aatatcgaac ttctcgatat gtgatttgcc tgaatcggac atccgtgtga 300
 aaagttatac cacgtgaatt tttcaagagc ttccggtggt caattttgag cg 352

<210> 9782
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 9782

gcttgaccaa cggaatgcaa atgatttact cagttctatt aggcaacact cttcagcttt 60
tggggatgga ctccagcggtt tggctcatta ctttgccaat ggccttgaga caagggtggc 120
tgctgggacc ccatcataca tgcccctaga aggaacaact tccgctgata tgttgaaagc 180
ttacaaacta tatgttacat cctctccttt gcagaggttg acaaattatt tggcaaccca 240
tacaattggt agtcttgtgg aaaatgaggg cagtgttcat attattgatt ttggcatttg 300
ctatggtttt cagtggccat gccttatcaa gaagctctca gaaaggcatg gtggctctcc 360
gaggcttcgt ataacaggaa ttgaacttcc tcagccggga tttcggcctg cag 413

<210> 9783

<211> 438

<212> DNA

<213> Glycine max

<400> 9783

agcttataat atatcgaggc gctcgatttt gaacatcgga agctcttgag aaattcaa 60
ggtcataact tttaactcgg agttcaattc atgcgcatca catatagaga cgctaaaaaa 120
tgaacaacgg aagctctcca gaagttaaaa tggtcataag ttttcacact gatgtccgat 180
tcaggcttat attatatcga gacgctcaaa attgaacaac gaaagctctt gagaaattca 240
aatggtcata actttttaca ctgaggtccg attcaggctt ataatatatc aagtcgctcg 300
aaattaaaca tcggaagctc tcgagaaatt caaatgggtca taacttttca cacggatgtc 360
cgattcgggc gcatattatg tcgagaggct cgaaactcaa caacggaagc tatcgagaaa 420
ttcaaagtgt cataactt 438

<210> 9784

<211> 401

<212> DNA

<213> Glycine max

<400> 9784

agctctgatc acattcatac gacaattact tattactcgg atgtctgatt cagtcctgta 60
atatatcgag acgctcgaaa tggaattttg aagctctgag caaattcaaa cgacaatcac 120
tttttactca gatgtctgat tgagtaccgc aatatgtcga gacgctcaat attgaatact 180

gaagctctga gcaaattcaa acgacaataa cttgtcactt agatgtctga ttgagtcccg 240
 taatatatcg agttgctcga aattgaagac cgaagctctg agcaaattca aacaacaata 300
 acgttttact cggatgtctg attgagtctt gtaatatata gagacgctca atatggaata 360
 ccgaagctct gagcaaattc aaacgacaat aacttcttta c 401

<210> 9785
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 9785

tgaaggaaaa ctggatgcat tggttaactt ggtaatttaa ctggccttga atcagaaatc 60
 tatacctggt gcaagggttg tggtttgtgc tctctgctg accaccatac agacctttgc 120
 ccttccatgc agcaacctgg agcgattgag cagcctgaag cttatgctgc aaatatttac 180
 aatagacctc ctcaacctca gcagcaaaat caaccacagc agaaaaatta tgacctctcc 240
 agcaacagat acaaccctgg atggaggaat caccctaacc tcagatgggc cagccctcag 300
 caacaacaac agcagcctgc ttcttccttc caaaatgctg ctggcccaag cagaccatac 360
 attcctccac caatccaaca acagcaacaa cc 392

<210> 9786
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9786

ntattcccca tttaatgtca ttttataatt aagcatttta caatttgaat tatcttaatg 60
 ttctaaccgt gcttattatt tacaaatttt atcctcagat atttacacta ttgaattcca 120
 aaaaaagagg ttacctcat gctcacattc tttgttctt acatccttcc aacaagtatc 180
 caactcctaa agatacagat aaaattgtct caactaagct accagatcaa aatagagatc 240
 caattttaca tgagtgcac aagagtcata tgatacacgg tccatgtaga ccagctaata 300
 gacattcacc atgcaagaaa gatggtaaatt gttctaaatt ttccataaa aggttccaat 360
 aaaaaaacat ttgttgacca ggacaattac cctat 395

<210> 9787
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 9787

```

agcttgtctt catggggaat agagtgtaaa ctccagtgga agcagtcaag acttatcggt 60
taaaacttga cattagacat catttagatt tactgggaac tttttatggt cctagtttat 120
craggaattt agtttcatta tctaaacttg atgttactag atactctttt aattttggta 180
atggatgttt ctgtttattt aagcataatc atctcattgg tactggtggt ctttgtgatg 240
gcttatataa attgaaatca gatgggttgt atgctgaaac ctctttaact ctgcatcata 300
atcttggcac taaatgtagt ttagtgaatg aacgatctac tttcttgtgg cataaacgtt 360
taggtcacat ttcaagagaa aggatggaaa gattaataaa gaatgaaatt ctactgatc 420
t                                                                 421
  
```

<210> 9788
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9788

```

agctntgttc caaacacttc tttggttctg tttcttctc gttttttatc acaagattgc 60
cactgtccaa aagcactact acaggattct gtgcttgttt gtgagagtgt ttggtgtacc 120
agacaagata cgcatttttg gtgagaacaa gattgcctgt gttgttgagt gttatgatac 180
ccgaggaatc attgatgggg ttggccttat tagcaaccca aacaactgtc tggattggga 240
tgttcttgta ccaaataccc acataacgtt tatgggaata acctggtgat gtgccatcat 300
tttcttctat tttctaaacc ctttttgcac cattttaatt attgattgat cttaattgtc 360
aattaattag gcagttntat tatttgggcc cattaaagcta atttgatggt nttaatct 418
  
```

<210> 9789
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9789

gacaacaggg agtgaagatt gctgaaaacc ctagccttgc aacatgtcct atggaagtag 60
acacggagat ggacaagaaa atccgcagta tggtagtag cattttgaaa gaagcctctg 120
tgcctgaagc tgatgaagat gttccaacat cttccacccc gaatgtttct atgcctgatg 180
ttgagaaaga tgttccaaca tcttccggcc catatgatga agtactgtct tccccagca 240
aagagagatc aacagaggaa gatgatcaag ccgcagagga gaccctgca ccaagggcac 300
cagaacctgc tccaggtgat ctcatgact tagaagaagt cgaatctgat gaagaacca 360
ttgccaacag gttggcacct ggcattgcgg aaagacttca aaacagaaa 409

<210> 9790
<211> 313
<212> DNA
<213> Glycine max

<400> 9790
tcacggtaaa tatagacatc ccattcctag gctagacgat atgttgatg aattgcatgg 60
agcctgtgtt ttctctaaaa ttgatttgaa aggtgggtac catcaaatta ggattagaga 120
gggggatgaa tgaaaaacaa ctttcaaac taagtatggg ctgtatgaat cgcttggtat 180
gccctttgtg ctaaccaatg ctctaacac tttcataaga ttaatgaacc atgtgttaag 240
ggaatttcta ggaaaatttg ttgtgggtat tttgatgata tcttgattta cagcaaattc 300
catgatgaac atc 313

<210> 9791
<211> 407
<212> DNA
<213> Glycine max

<400> 9791
gtgtcttatg aatccccctg tgcttatgcc accagtacct ggaaggcctc tcattttata 60
catgacaatc ttatgatgagt caatggggtg tatgctgggg caacatgacg aatctggaaa 120
gaaagagcgc gctgtttact acctgagtaa gaagttcacg aactgtgaaa tgaattactc 180
attgctcgaa agaacgtgtt gtgctttagt atgggcatcc catcgcttaa ggcagtacat 240
gctgagccat actacctggt tgatatccaa gatggaccgg gtaagtaca tctttgaaaa 300
gccagctctc acgggacgaa tcgcccgtg gcaagtcctg ctatccaagt ttgatatagt 360

ttacgtcacc caaaaggcga taaaaggaag cgccttagca gattatt

407

<210> 9792
<211> 352
<212> DNA
<213> Glycine max

<400> 9792

tttccctcct tcaaggaatc ttcttgaagc cctctcacat acgccacacc ataacttgga 60
ttcatcagag ggtcttcccc tgcagtctct tgcctctcc cccaccgtgg atccctgaaa 120
acgtttatgt tcggagccca gaacgtcctc cccgtcgtt gccccgcatt gtacaccgcc 180
ctcgttctct tcccaatagt cttcagcaac aatgcagtaa cataacacca acatgtcaat 240
aatgtaattc gataaagtc caccaccgag taataaagag aagatgaagt gtatataaag 300
ctttgagggtg ttggatgtta gtgattatgc aactgacctt gctgatttgg ta 352

<210> 9793
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9793

agcttgtgct aagaatgtca tgatcctttt catcatatth taagaaaatt gaatgtcatg 60
atccatcact tctctgcata tatatttagt attaagatgt gtaccaacaa tcctaaaatg 120
ttctgtgcag atattttcca ttgaaagaca ctacacaaga ttagagactc cgaaattaat 180
tttgttttat gccaatgtct attatgcttt gttgtgtctt gctaaatgca tatttaattt 240
gaagcaactt cattatthtt gtgttatctg ttaatggtht aattggataa tagthttaca 300
gccaggtaat atataattht gatatatgtg cagagatgta atattgtcat gttaaatttht 360
atatttaatt attgttatgt tagagtatgt gcatgcaatt gthtttagaga gggctggtga 420
taagtgaagc tagctcaca acaattcaag atgcagttag cthttataagc taggctcatg 480
agtcatgatt ngagtctgat ttgaatthtt accctgttht gttaatgagc tgagcttcag 540
ctthttaat 548

<210> 9794

<211> 350
 <212> DNA
 <213> Glycine max

<400> 9794

```
agcttaatct catagaaggg aagcgtttgt tcaccatgag tcatgggctt ttatatcaga 60
aaagagtgaa gaacgcctttt gacaagaagg tacatatgag ccggttttagc aaaggggact 120
tggtgttgaa gaaggtctcc caagctctga aagacaacag aggggaagtgg gacccgaact 180
acgaagggcc ttctgctgta aaagggcttt ctccggaggg gctctgggtgc tcaccaacat 240
ggatggcgag gagctacctt caccctgtaa ctccgatggt ttcaagcgat actacgctta 300
ggatctgggg caattgagga agtcgctgca tgttctttta tttttgggtg 350
```

<210> 9795
 <211> 650
 <212> DNA
 <213> Glycine max

<400> 9795

```
agcttatata tttattttatc tctattttatt aataaactaa aatagtaatt acattgtatt 60
tttagttttt actattttttt aatacaagta acaaaatatt ctacaaatta agagaaaact 120
attaaaaaaa ttagctaaat ttattaaagt aaaaaggaaa atatacatat aatgcaattt 180
ctattattta taaatagata taaatagttt ttgttatctt ttattgttta atttctacgt 240
ttgaaagtaa aagcattaag ttactgttta tttagttgat tttttaattc ttaactaata 300
atatatttaa ctaattagac attgtacaaa aaaattgtgt tcaaaataaa aattattttt 360
cataattaat ttttaagaaa atggtaaatt ttatatcaat aaaatggaga ataattatga 420
acaagtcacg gatctattta tagcacatat attgataata taaataatga aaaataaaca 480
aacattataa aatattcatt atgattttta cataatccat tttgggtatta tcttaattgg 540
aaattgggtg atttttttaag gataatataa tattttttta atattttttt aatcaattat 600
ggataatttt taaatattca aaaataattg ggattcaatt aataaaaaaa 650
```

<210> 9796
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9796

gacttgatgg ggcctatgca caatgcaaag cctttagga aagaggatg cctatgttga 60
 tgtggatgat ttctccagat ttacctgggt caactttatc agagagaaat cagacaccta 120
 tgaagtattc acagagttga gtctaagact tcaaagagaa aaagactgtg tcatcatgag 180
 aattangagt gaccatggca cggagtttga aaacagcaag tttactgaat tctgcacatc 240
 tgaaggcatc actcatgagt tctctgcagc cattacacca caacaaaatg gcatagttga 300
 aaggaaaaac aggactntgc aagaagctgc tanggtcatg cttcatgcc aagaacttcc 360
 ctataatctc tgggctgaag ccatg 385

<210> 9797
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 9797
 cgcccttgac attaatgggt tgaggaagta tctcaatcac atcgatcttt gccttgccca 60
 cctctattcc ccttactgag atgttatgcc ccaacattat tccttcttga accataaaat 120
 ggcatttctc ccaattgaga actatattgg actcttcata tctctgtaat actctttcaa 180
 gattggataa gcacccttca aaagatggca cacaacaga gaaatcttcc atgaaaactt 240
 caatgcattt ttcccccata ttagaaaaaa taaccatcgt acacctctaa aatgatgtcg 300
 gggcgttgca 310

<210> 9798
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 9798
 acttcattac tgttattcag tattacaaat gagcttggtg caattcttct agacttagag 60
 tgataacatg taatcctctt gaacccttac ctccactct ctcatcatgc cgagactccg 120
 gaaccctaac aggttttggc ttttccatgt acttgaaaca aaactcaata gttctttctt 180
 caatgtacct ttcaacaata gatgctttag gacggtgtag attatttgta taccatttta 240
 agatcttcat gcatcactca accgggtaca tccaccgcaa ataaacggga ccgcaacatt 300

taatttcct caccatatga acaatttatt gaaccatgat gtcaaaaatg aaagaggaaa 350
 atatatcttc cactgacata tgat 384

<210> 9799
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 9799

agcttggtgt tcttgatgc atctggtatt ggactcaaca attgctaaga gaattgtctc 60
 aactttgtca aatggagggg gaactatctt gatgaccata cctcaacctt caagtaggat 120
 gtattgcatg tttcaaaagg tgtttatgct ttcagaaggg aaccttgtgt attttgaaa 180
 aggatctgaa gctatggaat attttctag atttgatat gcccacaacca cggtcatgaa 240
 cccctcagat ttccttttga atcttgcaaa tggatgttg tttgctcttt attattttaa 300
 aaagtgtgag gtttcctttg ttatttatga aactttgtgg acagaagttc aaaatctcat 360
 ttatctatta gtacctacat atatttgat aaattcactt attctatttt tcatgattga 420
 ttaaatctat aaattagatt ataagaatta ctagcttgtg gacaagtcac tcatttaagt 480
 tcttttcac tcaatttttc atg 503

<210> 9800
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 9800

agctttgtat ggtagaaggg gtatgttctc cctatgttgg ttagagcccc gagaaggcct 60
 caccttagga ccagaagtgg tacagcaaac cactgagaaa gtttaagttaa ttcaggagag 120
 gatgagagct gttcagagta gccagaaaag ttatcatgat aagaggagga aagatctgga 180
 attcaagggt ggtgatcatg tattcttgag agtcactccg tggactgggg ttggtcgagc 240
 attgaaatct cgaaaactca cacctcgctt aattggtcct ttccaaattc ttaagagagt 300
 tggcctgtg gcataccaaa ttgcattacc cctgtctctt tctaattctc acaatgtctt 360
 tcatatgtct caactccata agtatatctg ggatccatcc catgtgattt gattggatga 420
 tgggtcaaatg 430

<210> 9801
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9801

```
tatgacgatt cgaatttctc tatagcttcc gttgatcaat ttcgagcttc tcgatatgtg 60
attagcctga atcggacatc cgtgtgaaaa gttataccag ttgaatttct caagagcttc 120
cgttgttcag ttttgagcgt ctcgatatgt gatttgcttg aatctgacat ccggtgtgaaa 180
agtatatgacc atttgaattt ctcaagacct tacgttggtc aatttcgagc ctctcgacat 240
attatgcgac cgaatcggac atccgtgtga taagttatgg ccatttgaat ttctcgagag 300
tttccgatgt ttaatttcga gcgtatcgat atattataag catgaatcgg acatacgtgt 360
gaaaagctat gaccat 376
```

<210> 9802
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9802

```
agcttgtaga attcacccca attccaattg catatgttga cttactcccc tatctgctcg 60
ataatgcaat ggaagttata agcccaacaa agatttctca accttctttt cctagaggat 120
acaaccccaa cgtgacatgt gcttatcatg ggggagttcc ggggcattcc attgagcatt 180
gtatgacctt gaaacataag gtgcaaagtc tgattgatgc aggctggttg agattcgagg 240
aggaaaatca ctcgggagtt ttgatgtcgt tgtgatgcaa tcttaccccc caagggcatt 300
ggataaaaaga ctccaagaag attggggcaa agatgcaaga gaaggcccta gggttctcat 360
gagccttang gtagatttcg ggcccatggg ctaagtatga gcccacttat ctttgtacat 420
attagattaa gatttcatta aattgggcc 449
```

<210> 9803
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9803

aettaccacc ctcttattga tggccagact aaacactcca ttcagtcgct gaaggatctt 60
ttgagggcat gtgtcttaga acaaaaggga agttgggaga gttttctgcc attgatagag 120
tttagctata acaatagttt tcattctacc attggaatgg ctccctatta agccctgtat 180
gatagaagat gtangacact cctgtgttgg ctagaacctg gagacaacct caccttagga 240
cctaaagtgg tacaacaaac cactaagaag gtcaagttaa tccaagagag gataaggact 300
actcagagta ggcagaagag ttatcatgac aagaggagga aagacctgaa attcgagggt 360
ggtgatcatg tattcttggg agtcacttcg tggactgggg tt 402

<210> 9804
<211> 487
<212> DNA
<213> Glycine max

<400> 9804

agctttttat gaagtttgaa tgtttttttt aaaaagatgt aatcgattac catctttatg 60
tcatcgatta ctagtaacgg aatttttgaa attcaaaatg aaaagacatg acttctcatt 120
aaataaatgt gtaatcgatt accaaaaatc tgtaattgat taccaatgag gaaatttcaa 180
cgataactct gaaaagtcac atttcttcat gagttttttg aaaagccacc aaaggcctat 240
aaatatgtga cttggcttta aaaaatcttc agagtttttc ggaacctcat tgtcttattc 300
tctcaaaaac aaaaatttgg ccaaacactt gcgaatcaat taagggatctt ttattagttc 360
ttcaaattgg attattcttc tctaaaaaga gagaaaaaat tgtgtacatt aaaaagtaaa 420
actgttgttg agatgaagaa gctgtgaaat ctcttgattt gggagttttt ttgaacacaa 480
aggaaaag 487

<210> 9805
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9805

ntggccaatt ctgccaantn naggtcaaat tgagctttta tgtagaacc tttgcacttg 60

aataattgga ctgcgagttt gggcttttgt tttctgtaat tagtttaatt aggtagttag 120
gtaggtagtt aggtagttag ttagttatct actaacactc tatatatag tagttagttag 180
ttagtgactt cacttgaact tcattttgta caaaagtact tgtgtaagct gatgcaatcc 240
tccttaaagg gaccagtcac taagtgaata tttgatgtgt gtgttgagaa ataaatttaa 300
ttgaattggt agaagccgta tccaattaaa ttttagaggg ggaggtgagc atttacttgc 360
tacaccccat tgccacatca tatagtcaca ctntgtgcat gtccttcacg ctttacatgc 420
ctcatgacac ct 482

<210> 9806
<211> 402
<212> DNA
<213> Glycine max

<400> 9806
agcttcccg atccgtactt ggaaggatct gattattgct ttcctaaggc aatatcagta 60
taattccgat atggctcccg atcgactca gctacaaaat atgttcaaga aggaagatga 120
gacctttaa gaatacgcgc agcgatggag agacctggca gcacaagtgg cacctcccat 180
ggtcgaaagg gagatgatca ccatgatggt agacaccttg ccagtatttg atgcaatcct 240
accccgtaag ggcattggat agaaaactcc aagtagattg ggccaaagat gcaagagaag 300
gccctaggtt tcttatgagc cttagggtag atttcgggcc catgggctaa gtacgagccc 360
acttatcttt gtaaataatta aattaagggt tcattatttt tg 402

<210> 9807
<211> 459
<212> DNA
<213> Glycine max

<400> 9807
agcttgctcg tcttgctgat atttatcatg ctgacttttc tgatgatgac cgaggaacaa 60
ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct tttccactt 120
gtgaagatgt tcaaagtttg gctatgaaga tgggtcaaac tgagaaacat ttggtatttc 180
cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca acatccgttg 240
aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360
atattgatat tattcgaaca tctaccgcaa agaagtctcg gaaaagacac ttgcctcgta 420
attttattta accccctatt ggaaggataa tgттаатст 459

<210> 9808
<211> 321
<212> DNA
<213> Glycine max

<400> 9808

attgagagga aaaatatatg ttatgtctaa caagccaaca aaggagagaa gaaggttgtc 60
ttcgaacccg gagattgggt ttgggtgcac atgagaaaag aaaggtttcc ggaacaaagg 120
aaatcaaagc ttcaaccaag gggagatgga ccatttcaag tgcttgaaag aatcaatgac 180
aatgcttaca aagttgagct gcccggtgag tataatgta gttccacctt caatgtctct 240
gatttatctc tttttgatgc agatggagaa tccgatttga ggacaaatcc ttctcaagag 300
ggagagaatg atgaggacat g 321

<210> 9809
<211> 411
<212> DNA
<213> Glycine max

<400> 9809

tgttccaaat gttttttaaa tgtgtgtaat tgattacaat atattggtaa tcgattacca 60
gtgtatctga acgttgaaat tcaaattcaa ttgtgaagag tcacatcttt tcataaaatg 120
ctttgtgtaa ttgattacaa ggttatggaa atcgattacc agtgacaagt tctgaataaa 180
aagtcaagag atgtaactct tccaatgggt ttctcaagat tttctcaagg ttataactct 240
tctaattggtt ttcttgacca gacatgaaga gtctataaaa gcaagacctt gacttgcatt 300
tcaataatth ttacaactth tgaacttctt tgaacaactt ttgagatatt ttgaaacctt 360
cgcttctaatt ctttcttctt cttcctttgc caaaaagctt tctaagtttt t 411

<210> 9810
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9810

tcttagtctc agatnannnn atgagtttgt agctacctta tgcactcctc taatgactat 60
ggcatcattt ctggcgctaa actgctagga gttggaagcc atcttctcaa ttaaatttct 120
aacttcagca ggagtcattg ctccaagggc ttcaccactg gcagcatcta tcatacttat 180
ctccatatta ctgagtcctt tataaaaaata ttggagaaga agctgctctg aaatctgatg 240
gtgagggcaa ctggcacata atttttttaa tcgctcccag tactcataca ggctctctcc 300
actgagttgt ctaatacctg agatatcttt cctgatggct gtggctctgg aagcagggaa 360
aattttttct aagaatactc tettaaggcc atcccagctc gtgatggacc ttggagcaag 420
gtaatac 427

<210> 9811
<211> 420
<212> DNA
<213> Glycine max

<400> 9811

agcttgggat gaaaaactaa gtttacttct cttaaaaaat ggctttgagc gaggaaggt 60
tgagaaaaca cttttttgca aaactatga atctcagttt ttatcagtgc aagtatatat 120
ggacgacatt atatttggtg ctattaataa aatgctttgt gaagattttt ctaagctaata 180
gcaaacagag tttgaaatga gtatgatggg agaattgaaa ttctttcttg gactacaaat 240
aaagcaaaca cccaaaggta tctatatcca ccaaaccaag tatgtgaaat aattgttgaa 300
aaaagtcaac atgaacaatg caaaagaaac gaagactcca atgcatacta caacatacct 360
aggtggttga aagccacat gcaagatttg gattggctcc caagtttgag aactactaaa 420

<210> 9812
<211> 377
<212> DNA
<213> Glycine max

<400> 9812

aacattccaa ttgatttcaa aatgtgtgta tcgattacaa gatattggta atcgattacc 60
agtgtatctg aatgttgaaa ttcaaatca attgtgaata gtcatacctt ttcataaaaa 120
gctttgtgta atcgattaca tggttttggt aatcgattac cagtgacaag ttttgaataa 180

aaatcaaaag atgtaactct tocaatgggt ttcaggtttt ctgaggtca taactcttcc 240
 aatgggttttc ttgaccagac atgaaaggtc tataaaagca agatcttgac ttgcatttaa 300
 cagaacaatt acttacaact tttttatata ctcttttaca acctttgaat ctctttgaac 360
 atctttcttga acttctt 377

<210> 9813
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 9813
 ataaggcatg cgaagtgggt ggaattccta gagtctttcc cttatgttat caaacataaa 60
 acgggaaaag gaaatattgt agccgatgct ctttctcggc gtcatgcatt actttctatg 120
 cttgaaacaa aattgattgg tcttgaatgt ttgaaaagca tgtatgaaaa tgatgaaact 180
 tttggagaaa ttttaaaaat gtgaaaaatt tcagaaatgg ttctttgaca tgaagctttc 240
 tttcaaagaa acaaattggg gtccctaag 269

<210> 9814
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 9814
 cagcatgcaa gctccacact ggagaatgga gaacatatta ttagcgctag gcaaaaacac 60
 tcaggggggt ccgaacaaaa gtagaggatg gacgaatgcc aagaaggacc gcacttaggc 120
 aaacatgaaa ctcagctcca aactcgaaag tggaggacac aagaatgaca acgcggcacc 180
 cgaaaaggat gagaaaggag gattgccgtg agggacctca cttaggcaat catggaacac 240
 agatccaaac tcgaaagtgg aggacacacg aatgacaacg caaaggatcc acggggcccc 300
 agaaaaggaa gataatggag 320

<210> 9815
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9815

agctttgaag gtgcgtagcc caccattttt catagtagaa tactggtaat gtgtctacta 60
tcattgtcat cgttttttcg tcattgaggt gccacttgag ctgccagggt ctcacacctt 120
gggcgtattc ttagaaagat ccgtgccctt tttctttttt tttttttcac atgttttgta 180
gttgcatcct atccgaagac attatactga cactgcctaa cgaaggcaac cactagggtcc 240
ttccaagaat ggactcggga aggttccaag ttagtgtatc aggtaacagc taccacagta 300
agactttctt ggaaggaatg taccagcaat tctcatctt ttgcgtatgc ccccatcttc 360
cgacaatata tcttttagatg gttcttggtg caagtattcc ccttgtaact gtcaaagtcc 420
gacaccttga acttgggagg ggtgatgata ttgggttcta agaacaactc tnttaagtta 480
gcaaaggcat aatcttcacc tcttccaatg gccctgagtc tttctctat atgatccaac 540
tcttccattt ctgcatagc acaaggtttt ttactttgtg tggaatgcaa gaggtgtaac 600
ttggggtgat actg 614

<210> 9816

<211> 631

<212> DNA

<213> Glycine max

<400> 9816

agcttgtatg agtactggaa aatatttttt aaattgtgtg caagctgccc tcaccaccag 60
atttctgagc aacttcttct tcaatacttc tatgaggagc ttaccaacat ggagaggagt 120
atgattgatg ctgccaacaa ttcaattcaa gaaatgatgt tattgttctt agaggagtcc 180
atgagggtggc cacagattca tcttcatcta ctgaaaataa aaagcttgaa ggaaaacttg 240
atgccttggt caaactagta actcagcttg ccatgaatca gaaatctaca cctgttgcaa 300
gagcctgtgg tctatgttct tctgtagatc accattcaga tctttgtcct tctttgcagc 360
aatctggagt caatgagcaa cctaaagctt atgtgcaaaa catttataat agacctccac 420
agcagcaaaa ccaacaacag caaaataatt atgaccttcc aagcaacaga tacaatccag 480
gttgaggaggaa tcatccaaat ttgagatgga caagcccttc actacaacaa tagtctatcc 540
cttcttttca gaataccgct agtccaagca tgccttatgt tctctctcca atgcggcaac 600
aacaacggca gctacaacaa atacaacaag c 631

<210> 9817
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 9817

```

agcttgctg gttttat tttt gtgataatta tgaagaatga ttttatttat ttttatttta 60
aaacttagta cactacttat aagttataat catacactaa aaaattacta tcaagcttgg 120
cattattttc aagaacttta ttgtttcttt ggtttgtcat tttccattta ccattgtctg 180
ttttcaataa gtaggcattg tattgaattg aattgaattc ttaagaatct aggcattgta 240
atcgattacc agagacagaa tacttagagg tttttcaaaa agaagtttga aatttgaatt 300
ttaaatactg taatcgatta ccatttaact gtaatcgatt ccagtaacg aaaatttttag 360
aaatttgaaa tgaaaagtca tgaccctca atgtataact gtgtaatcga ttaccagtga 420
gggaattcta aaattgttct gaaaagtcac atctcttcaa aagttttgaa aaaccacaaa 480
gggcctatat atatgtgag 499
  
```

<210> 9818
 <211> 565
 <212> DNA
 <213> Glycine max

<400> 9818

```

agcttaacta cacttaaggt tctttgctcc ttcaaaacta tgtgttcaac taagcaatgc 60
attaaagaca tgtaatttta attgaataat aaatgcgagt ctttattagg aggtgtgatt 120
aattcattta atataataaa tgggcagatt attcaaggag tagttgaaga tttgatttat 180
tctagactat tactttttgt tggacaagtg acctcaataa cttaagaggg ggtgaattaa 240
ttaagtttta aaattttccc gctaacaaat ttaacccct ttttaaatga tacatgataa 300
actcaaaatg cagaagaaga agaagaaaca atcaatttaa taattttctt ttaaatgcac 360
aagacaaagt aaactgcaat aaaataactg agataaggga agagagaatt gcaaactcga 420
tttatcctgg tttggccact ccccgctcct atgtccagtc cttaagcaac ccacttgaga 480
ttttccacta tctttgtaa ctctttacaa cttctgaaca catcttgga ttcttctctc 540
ttgtgttcag gattctcata agtca 565
  
```

<210> 9819
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 9819

agcttccatc acttttgacg actgtttttt gagattcctt agcattggcc tgataccttg 60
 cacataagta agcacttagc atgacatatg gtctattttt agttaagtag aggagtgate 120
 caatcatacc tctatatctt aactcatcca ctgatttacc tttctcatct aagtcaaggt 180
 aggttaaagt tgccattgga gtagatgctt ctttgcattt ttccatgcca aattttcttaa 240
 ttagttttgt acaatatttc gtttgattta ggaagggtcc atgtttcatt tgcttgactt 300
 ggagtccaag aaagaagttc aactctcccg tcatagacat ctcaaattcc ttttgcatac 360
 aactagaaat ttccttacac aaaatttcat ttgtagcacc aaatataata tcattaacat 420
 atattttaac aattagcaac tcaactgttta cttttcttaa taaacaatgt ttt 473

<210> 9820
 <211> 254
 <212> DNA
 <213> Glycine max

<400> 9820

gcgtctcaat agattacggg actcattcag acatccgagc aaaacgttat tgtcgtttgg 60
 attagttcag agcttcagaa ttcaatttcg atcgtctcga tatattacgg gactcaatca 120
 gacatctgag gaaaaaagtt attgtcgttt gaatttgctg agagctcaac attcaatttt 180
 gagcggctcg atgtattacc ggacctaate aaacctccca ggtaaaaagt attggtgggt 240
 ggatttgctg agaa 254

<210> 9821
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 9821

aataacaaaa tgcacatttg gccaaccttc aggcaagtac ctgggacatg tgggttcttc 60
 tcgcgggggc gaaacagtgc taaccaaggt tcacgtatt taacagtggc cggaacctct 120

atcggggcat gcactcttaa actttttggg actcgcgga ttctacaaa gattcatttt 180
 cggctatgcg acaattgctg caccttaacc caacttctaa cactggaacc ttttcaatgg 240
 gccaagaag ctcggtcaat ttttgcgtct cttaagcaga tgcctgacctc aacccctggt 300
 ctccggttgt cggactttac tctt 324

<210> 9822
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9822

aacatagaat tcccatgtat atgtagatag tttctgcatt ctaccagaca attttttttt 60
 agaaataagc aataggatgc ttgttttggc ttaacacaac accaactccc ctccctgaag 120
 catcagtttc taatacaaaa agtttattga aattaggaat agccaagaca ggtgcagaag 180
 tcatggctat cttaagtttt tggaaagcct gtgcagtagc ttgaccccat ttgaaagagt 240
 ccttcttcaa tagaacagtc agaggtgttg caatggtagc ataggtctta acaaactctc 300
 tataataacc tgtaagtcct aggaagcccc ttaatttctt tagattcata ggctctggcc 360
 aattctgaat tgcctctaatt ttgtttgcat ccatagctat gcctgacct 410

<210> 9823
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 9823

agcttggtca tcttgagata atttgtgttc atctcattt gaagttgatg gtgcaacata 60
 tttctttggc ctaacaggaa ctccaatatt ttacagctt ttaatgttat gattgggtttg 120
 gccacacctt ccacatgtaa actcaggcaa tttcctcttt agcttatgtc ctgtgacatt 180
 gtccctcattt acaggtctcc ttctattttt ctttggcctt cctcttttga cctttttatg 240
 tgggtggaaca ggggtgtgtat actgtgtctg ggccaatat tgtggtcctt ggactgggtc 300
 aataaaatgc tagtatgtct tattataagc ttctattgac agccactcat gacacatgtc 360
 ctccaggttc cctcctttgt gagttattgt tgcaatgaca tgctccgatg gcatccctac 420
 atcaaagttg taaaatcagc acacatgtag gttaggaatg aaaaaaaaaac tattaagaac 480

acaacctggt agttgccata ctccacaagt gcatgtccat tcacctaaat tgacctcaac 540
 cttatttccc cacatgtg 558

<210> 9824
 <211> 117
 <212> DNA
 <213> Glycine max

<400> 9824

agcttcaaca tcagacgcct ttctttgtgt tggaactact tctcatggac ttgatggggg 60
 ctatgcaagt cgtgagcctt ggatgaataa ggtctgccta tgatgaagcg gatgatt 117

<210> 9825
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9825

agctntctcc actaagttgc ctgatgcctg aaatgtcttt tctgatggca gtggtcctag 60
 atgcagggaa gattttctcc aagaacaccc tcttaaggct atcccagctg aaaacggacc 120
 tgggagcaag gtagtatagc caatcttttg tcactccctc cagagaatga ggaaaagcct 180
 ttagaaagat atgatcttct tggacatcag ggggcttcat ggtggaacaa aaaatatgga 240
 actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttt ggcagcaaatt 300
 gtattagtec agtcttgaga acatatgaaa caccctcatc aggatattga atgcacaagc 360
 tctcataagt gaaatcaggt gtagccatct cctaagagt cctcttacga ggtggagggt 420
 gagccatgtt ctcatgtatga aa 442

<210> 9826
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 9826

tcataaggtt atatatggcc tcaaataagc tcctaagtct tggtttgata aactaatga 60
 gacttacta atgtttgaat tcaaatacaa caagtttgat ccttcactat ttgtttatct 120
 taaggcttca tccataatct acattccggt atatgttgat gacatcataa aaacatgaaa 180

tgatattcct ttattacatc aactcatttc taagctaaat atagtatttt ctctcaaaga 240
tcttggaacc tcagattatt tcttggaat gaaagtaaag catctatctg atgggtccat 300
tgctttaact taaaccaa atattataga cttaatgggc aaaaccaaca tgtagatgt 360
caaacctata tcttcccaa tggtaactg 389

<210> 9827
<211> 430
<212> DNA
<213> Glycine max

<400> 9827

agcttcattc ttagaatgaa gtaagtagat atacatatat cgtgaataat catctataaa 60
ggttatgaag tatttcggac tatttgcac catgtctgga caacatatgt ctgtatgtat 120
gatttccaat aaattagaac tctctttgc acccttttta gacttgtag tttcttacc 180
cttaatgcaa tctacacaag tctcaaatc atcgaaatcc aaagtactaa gtactcctc 240
atttactaat tgcttgattc tctcaataga gatatgtcct aatctctggg gccacaacat 300
agaggattct tcattcacat tacatcggtt taaccaata gaaacatgca tagaagtagc 360
atcggttttc aattcaatcg aataaagacc atcaaccaat tgaccacaac caataatttc 420
agaattattt 430

<210> 9828
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9828

gctctcgaga aactcaaag gtcataactt atcacacaga cgtccgattc atgcgcataa 60
tatatcgaga cgctcgaaat tgaacaacgt atgggtgcga gaaattcaaa tggtcataac 120
tngtcacacg gaagtcgat tcatgcgat aatatatcga gacgctcgaa attgaacatc 180
gcaagctctc gagaaattcc aatggtcata acttgtcaca cggaagtcg attctggcgc 240
ataatatatt gagaagcttg aaattg 266

<210> 9829

<211> 419
 <212> DNA
 <213> Glycine max

<400> 9829

agcttgaaat tgaacaacag atgctctcga gaaattcaaa tggtcataac ttatcacacg 60
 taggtccgat tctggcggat agtatatcga gaagctcata attgaacaac gaaagctctc 120
 aagaaattca aatggtcata acttatcaca cggaagtccg attaaggcgc ataattgtatc 180
 gagacgctcg aaattgaaca acggaagcac tcgagaaatt caaatgggtca taacttatca 240
 cacggaagtc cgattaaggc gcatagtata tcgagaagct cataattgaa caacgaaagc 300
 tctcaagaaa ttcaaattgt cataacttat cacacggaag tccgattcag gcacataata 360
 tatcgagacg ctcgaaattg aacaacgaaa gctctcgaga aattcaagtg gtcataact 419

<210> 9830
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9830

agctngaagg agtttcatgc accatggaac tatttcactc tataagttga ttccaattgg 60
 cttectagtt ttcagcttac ctatttggat gtgggatcat ggcagttagg tcccagcttt 120
 ccategtgga ttcagtcaca aaaaaaactt aaatatttag gcatgtctaa cacagggatt 180
 attgattcta ttccacaca gatgtgggaa gcacaatctc aggtttttgta tttaaaccac 240
 tctcataatc atatccatgg tgagcttctg actacattaa aaaatccaat atctatccca 300
 actgttgatc taagcacaaa tcaattatgt ggtaaattac cctatctttc aaatgatgtg 360
 tatggggttag acctttcaac caattcattc tctgaatcca tgcacgattg tttatgtaac 420
 aat 423

<210> 9831
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9831

actttaatag tcgttttata gattcggcgt tgtcaagtgg agaacgtaac ttttccaaga 60

attcattttt ttatggatac tgtctcattt tctgcataaa aatttgtaga gattctgata 120
 ggtctagatt aatctgataa ttcaaatacat accacttaaa tgtattcgaa tcttttttat 180
 tcatatcaga ttccaattaa tctaattgaa aatcgatgtt gatagacttt aattattata 240
 tatagataga atttttatga tttaatccat taatcatgtg ttattttcta taatttgcta 300
 ttatttagtt ggttctaagt caataataac attcatatat atcgcttaca ttataatggt 360
 aagtatggca ttattatttg tcaacaatgg aataaaatta tgtaa 405

<210> 9832
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9832
 agctctcata gttcaatttc tagcgtctcg atatattatg cgcctaatac ggacatccga 60
 gttaaatgtt atgaccattt gaatttctcg agagcttcg ttgttcaatt acgagcgtct 120
 ctatatgtga tgcgcctaaa tcggacatcc gagttaaag ttatgtccat ttgaatttct 180
 cgagagcttc cgttgtaaa ttttgagcgt ctctatatgt gatgggcctg aatcggacat 240
 ccgagttaa agttatgtca atttgaattt ctcgagagct tccgttggtg aatttcgaga 300
 gtctcgatat attatgcgc taaatcagac atccgagtga aaagttatga ccatttgaat 360
 ttctcgagag cttccgttg tcaatttcga gcgtctcgat atattatgca cctgaatcgg 420
 acatccgaat g 431

<210> 9833
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9833

tgtaaaaaaa tgaagcaggt taaaactctt ttcaaagaat aaattttgtt tgtattagaa 60
 aacccttga acaacttcac attgatttat ttggctcctt tagaactatg agtttgggtg 120
 gaaattacta tggcttagta atagtagatg attactcaag gtacacttgg acttagttnt 180
 tgaaaaccaa aaatgaagct tttgatgctt ttcgcaaact tacaaggtga ttcaaatga 240

aaaaggtctc aacattgttt caattaaaag tgatcatgga ggtgaatttc aaaatgagtc 300
 ttttgaaaac ttttgtgaag aaaatggaat ttaccataat ttttttgccc caagaacacc 360
 tcaacataat ggtgtttag agaggaaaaa t 391

<210> 9834
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9834

tettggtttc agctgctgaa gatgaatccg tggctacttc atgcactcct ctaatgacta 60
 tagcatcatt tctgccacta aactgttggg agttggaagc catcttctca attaaatttc 120
 tggcttttagc aggggtcatg tctccaaggg ctctaccact ggtagcatct atcactcttc 180
 tgtccatgtt actgagtcct tcataaaaaat attggagaag aagcagctct gaaatctgat 240
 ggtgagggca actggcacat agttttttta atctctccca atattcatac aggcctctctc 300
 cacagagttg tctaatacct gaaatatctt ttctgatggc catggtcctg gaagcagggg 360
 aattntttta taagaatact ctcttgaggt catcccagct cgtgatggac cttggag 417

<210> 9835
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9835

taatgatgat tcaaccctta agcacttatg ggctgaagca gtgaatacta catgttatct 60
 taaaaacata atttacataa gacctatcct taaaaagact ctatatgaat tgtggaaggg 120
 atgaaaatcc aacatatcat attttcatcc atttggatgc aaatatttta ttctcaccac 180
 acaggataac ttgggaataa ttgattcaaa aagtgataat gggatatttc ttggatactc 240
 taaaaattca aaggcattca gagtttataa ctcaggaacc ttggtagtgt aagaaactat 300
 tcatataaga tttgacgaaa ataagtctga caaagattta ttagagctac acgatttgca 360
 gatntaagac tcgatgggtga ctctatagca cgtagcttgt aaagaaag 408

<210> 9836

<211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9836

```

acctgcgcca tgcaagctta tgtntcaaac atntataata gacccccctca gcagcaaaac   60
caacaacaac agaataatta tgatctttca agcaacaaat acaatccatg ttggaggaat  120
catccaaacc tgtgaaggac aagtctctca caacaacaac aacttgctcc tctttttcag  180
aatgctgctg gccaagcaa gccatatgtt cctccccaat gcagcagtag caacaacaac  240
aaagacaaca agcaactgag gctctctctc aaccttcctt agaagagtta gtgaggcaaa  300
taaccatcca gaatatgcaa tttcagcaag agacaagtgc cttcattcag attctgacaa  360
atcaaatggg gtagatggct actcagatga atcaagctca gtcccacaat tatgacaaat  420
tgctttcaca aactgtgcag aatccgaana atgtgagtgc catcacctt                469

```

<210> 9837
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9837

```

agcttcaaga aaaagatggc ctcagcaaac tctttatttc cagaagggaa ttctatcaat   60
agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt  120
attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc  180
acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagaataac tatagaaaaa  240
cctagagata gatggtctga agaggataga aaacgagtag aatacaactt aaaagccaaa  300
aatataataa catctgccct gggaatggat gaatatttca gggtttcaaa ttgtaagagt  360
gctaaggaaa tgtggaacac tcttcgatta acacatgaag gaactacnga tgttaaaaga  420
tctatgataa atgcactaac tcatgag                                447

```

<210> 9838
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9838

```

ntgaggaaat tcatacgaca ataccttttg acacggatgt cggattgagt cacgtaatat 60
ctcgagacgc ttgaaattga ataccgaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tcggattgag tcacgtaata tgtcaagacg ctcgaaatag aataccgaag 180
ctctgagcaa attcaaacga caatacctat tgactcggat gtcggattga gtcacgtaat 240
atctcgagac gctcgaaatt gaataccgaa gctctgagcg aattcaaacg acaataactt 300
attactcgga tgtgcgattg agtcccataa tatgacgaga cactcggaat tgaataccga 360
agttatgagc aaattcaatc gacaattaat ttactcgga tgcggattg agtcacgtaa 420
tatg 424

```

<210> 9839
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9839

```

agctntaaca ttcatttacg agcgtctcta tatataacgg gactcaatca gacatccgag 60
taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggc attcaatttc gagtgtctcg 120
atatattacg ggactctatc agacatccga gtaaaaactt attgtcgatt gaatttgctc 180
tgagcttcaa cattcaattt cgagcatccc gatataattac gggactctat cagacatccg 240
agtaaaaagt tattgtcatt tgaatttgct ctgagcgtca acattcaatg tcgagcgtct 300
ngatatatta cgggactcaa tca 323

```

<210> 9840
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9840

```

acatcgagta aaaatgctat taaatttccc tataatagat gattggtaca attcttttct 60
gtacttcaag ttggtaaaaa aaatttagtt actccaatca tttagaatga agttggtcca 120
ccccattttt actcgagcaa gttagacaaa ttctatcat aaatatactc acaaaactaa 180

```

tgtaaaatgt ctattatgta attatctgtt gcatgttata tatcataagt ttgttgagtt 240
 catcttttagt tttgttagct cacaccaata tttatgtcaa tttacatatt gttatatata 300
 ataagtgtgt aagattttat aataaatatc tcaaaaatta tttgtgagtg attaatagtg 360
 caaaaaattt ataacggtaa tgcattgaaa ttaaattcat taataaatte ttgaatgaaa 420
 atacacaata aaatgaac 438

<210> 9841
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9841

atnctgactc cgatagatat aagattcttg tgggataact cattctccct accattacta 60
 gacctgatat ctccctctgt gcgggagtggt ctgccaattt atgcagaatc ctcatcttga 120
 ccattggaat gctgacatgc ctattctgag ggatgtatat acagctcctg gactaggggt 180
 gctgtatgaa aacaatggta ttacgcaact atcatgatat tgtgatgctg attgggctgg 240
 atgtcccatg gataggagaa ctacatcacg ttataggggtc ttacttggtg gaaatctaaa 300
 ctcttgcaaa gcaagaaaca gactattgtc tctcgggtcca ccgcacaagc cgacgatcga 360
 tctatggcta tcattacatg tgagctcat 389

<210> 9842
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 9842

agcttgtcgc attgtacgag taccctgaag acttcttcca ggtctgcca ttgaagatgt 60
 caactttcgc tacaagggtc tgccattcgg cctaaaaaat gcaggcacga cataccaacg 120
 actaatggac tgagtcttca aacaagagat cgaatgaaac gtcgaggtat atgtggatga 180
 catggatgtc aagtctggag gatgcatact ggtcttggtt tatccagggt aggcatacag 240
 gaagcttaac acctggaacc cagacgtccc atcgactaac ctgttgatgt tgggcagatg 300
 gtatgtgtct ttagagcatg ctctagacat atcagagtag tcagtgcata ttcgacattt 360
 gctattagcc tatttgacca tgacgatgtt ggcgagccag gtagagaacc taacctctct 420

gatg

424

<210> 9843
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9843

agcttggttca tattcttgat cccatttggt cttntgggtc tttttcagta agttcatgat 60
cygcctagcc ttctcagcta tccaaggtag aaatcttata aaagaggcta tgcgtcctgt 120
gagtccttgt atctctttga aagtcctcgg actcctcatc tcaatgacga ctggacattt 180
atctagatta gcttgatgc ctctttggga aagcataaaa ccaaaaaatt ttcctcctcc 240
aatcccaaga acacattttt agaggttaag tcgtatgtat gtttttggat ttgtgaaatg 300
atctcggcta ggtcctcaac atgggacttg actccattgg atttgaccac tatctcatca 360
acgtacacct ctatatttct acgaatttta tctttgaaga tcttatccat gaggcattgg 420
tacatagctc ccac 434

<210> 9844
<211> 379
<212> DNA
<213> Glycine max

<400> 9844

tcttatccaa ggctcatctt ggtggtgaag ctcttcttt catggcttat tccctagtgg 60
atggcgccgc ctcttacctc ttctcctttg tcttcgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcttc catagaagct ccacaagcaa 180
gtttccatca tgaatgatgc aatcctaccc cgcaagggca ttggatagaa gactccaagt 240
agattgggct agagatgcaa gagaaggccc tagggttctc atgagcctta ggatagattt 300
cgggcccatg ggctaagtat gagccactt atctttgtac atattaaatt aaggtttcat 360
taattttggg tcttttatt 379

<210> 9845
<211> 436
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9845

agctngccac cacggagttt tccgactatt ctcttggtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggttaacta tggctcgatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcaciaag 360
caatccaagt ggagcaacaa ttaaaaagga agggagtggc taagaggagt ttaccaaact 420
ttggttcttc tagttg 436

<210> 9846

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9846

cttggttaca tacatcatgc aaactaccct nttccccaag ggtagttgtg atgatattga 60
taaggcttgt aggaattnta ttttgggaca tgattcgagt gaaaggaaaa tccacctagt 120
atcttggaa accatttggt cagataaaaa taatggtggt ttgggctgt gcaagaagag 180
gtatgtaaat cangccttta tgttgagagc taattggcag ttttgtcaaa tggaagctcc 240
tatttgggct tctatcttac gaaacaagta cagatgtggt gcagattcgt tccctacagt 300
tgatagtaaa agggccggta gcaatatttg gcgtgggatt tgctttacgt gggatttttt 360
ttttgtaaga atgtggtttg gagggctggg gatggtacta caatgaaatt ttggcgtgat 420
tgctggatcc ctagaagctt tctcttgatt gat 453

<210> 9847

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9847

ngaagtgggt aaactttcta caagatacct gctctgatac catttggtgg atcaagtggc 60
 ctcggaataa ttaagaagg gggttgaatt aattattaat gaacctttac taattaaaaa 120
 tttatccttc ttaatgttac tagattcaat taggctttta ctataatgtt aagaaagtaa 180
 ataacagaaa aagaaactta accaaaagta aaagcgataa ttaaagtgca cagcggaat 240
 taaagagtgt agggagaag aagacaaaca caagaattta tactggttcg gcaacaaccc 300
 gtgcctacat ccagtcccc aagcaaccacc ggttcttgag atttctttca accttgtaa 360
 atcctttaca agcaaagatc cacaagggat gtaccttcc ttgttctctt tgaacaacca 420
 agtggatgta cctccactt gaact 445

<210> 9848
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9848

ntagattcat cacttacccc aagcaatata cactgcatgc tcttgatc cagctttgtt 60
 cttttctgat caggtacatg gacatgagtt aggcacccaa atactttaaa gtaatctact 120
 ttaggtttga ttccactcca catctcttct ggagttttat ctttactgt caatgtagga 180
 ctctgttga gaacatgaac tgtccatttt gcagcttctg gccaaaaaac ctttggtact 240
 tgtttgtcac aaagcatgca ccggaccata ttcataatgg ttogattttt aactccgct 300
 acgcggtttt gttgtggagt gtaagatgtt gtgagttgcc tgcttatgcc attaatTTTA 360
 caaaattcat taaactcatt tgaggtgaat tcaccccccc ctatctgtgc gtaaacaaca 420
 ta 422

<210> 9849
 <211> 388
 <212> DNA
 <213> Glycine max

 <400> 9849

tccttaagaa gattcctaaa gaagcttgag cttagctaca catacctctc taatagctaa 60
 gtcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120

tcaccccatg acaaaaaata tgaaaataca aaaaaatgtc cttactacaa agactactca 180
 aaatgcccc aataacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 cagacgaagg aaatacctat tctaataattt acaaagataa acgggctcat acttagccca 300
 tgggctcgaa atctacccta aggctcatga gaaccctagg gccttccctt ggatctctag 360
 ccaatctact tggagtcttc tacccaat 388

<210> 9850
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9850

tgtgtntaa tgtttcaatg ctgattgcac cggttcccca ttctgttata gatgtaattt 60
 tttcgtaatt ggtattctga ataactgatt gaaatgatta aaacatcctg aaggcttaca 120
 atgactacta tattttacac aggatactgt agttggattt ttgttggctg gagtgggaaa 180
 tgttgacata cgtaggaaga caaattacct cattgtggat tcaagtatgc cactgaacta 240
 tattttactt actattctgt agtctgagta tgtttggtat taatccccta aaaactacaa 300
 tgtttttctt gtgaaattgt acatcatgaa gtgactccct gcctctttta tctaccatcc 360
 aaattgtgat acccaataaa caatata 387

<210> 9851
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9851

agctntaaca ccattaaggg taaagactct tcccgtggcc tttggatgtc cagtttgacc 60
 attcgggect ccaccatttc gctctttctt gggctcgtgaa caatctcttt gagtgtgtcc 120
 cttttgtcca taattaaaac atgttgcgcc tatatcagga caattcgagg agatgtgccc 180
 tggcttacca catctgtaac aaatgatatg agtggagaaa gtattgggct tgctaccact 240
 accacctgca aatcccctag caacagtcct ctgattgtca tggcgggttac catattgctt 300
 aggggggttc gaatatgggt ttcctcaatg ttgaggccca ttctttntgt tctcattgg 360

acctgtactc caataatagg ccgcctatc tcgggagtct tcattccaaa tccggcacat 420
 gttaacccaa agtgggaact gac 443

<210> 9852
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9852

catgcaagct tgtaggtaaa ctatgatgct tagttatacc tggtaaccca actggccatg 60
 aataaaaaat ctgcacttgt cgcagactc tgtggtttat gctcatttgt cgaccaccac 120
 acagaccttt gcccttctat gcaacaatct gaagcaattg aacagcctga agcttatgct 180
 gcaaacatct acaacagacc ttctcaacct gagcagcaaa atcaaccaca atagaacaat 240
 tatgacctct acagcaacag gtacaatcat gggtaggagga atcattctaa ccttagatgg 300
 tcgaatcctt cacaacagcc gcaacaacaa ccttattttc aaaatggtgc tggcccaagc 360
 agaccatacg ttctgtccacc aatccagcag caacaacagc aacagccgca gaaacagcaa 420
 acagttgatg ctctctcg 438

<210> 9853
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 9853

tgtgttatga aatttatgat tctccaagaa taatttaatt tctcccaatt atgcatgaac 60
 cctacttatg aaatttaggg ataatttaat ttctttcaat tatgcatcaa cctgatcat 120
 gaaatttagg gatTTTTTTT tctgctgaa agtatgaaat cttatattga aaagggatc 180
 aattaagttg gcctagaagg aaattttgaa attgctattt gcaaacccca ttttgcatt 240
 ctcagtccca cttgcttttt tttcccaaaa attattatta aacatgatta aaggattgaa 300
 agtttatacc ctgcaattaa attaatgtga atgctttgaa attattggta gcaataaata 360
 tatatatatg ctacatattt cttttgaaag tgttgaatgc aaatcacaac taaatgtgaa 420
 tattattta 429

<210> 9854

<211> 424
 <212> DNA
 <213> Glycine max

<400> 9854

tataatgtct tgaaaaagat tgattatcca tatgagggtca gcgttatttc taaattctaa 60
 ttctatcaaa taagccaatt atcattatctt attattgaat ttataattga cattcctctc 120
 atatgcatct gaaacaaacc ttgatcctag acattctttac tctcatttct ttacttttgt 180
 gttacgcatt ggaattcatt tttatccaag atttacattc actcaaaatt ttattgggta 240
 aatacgtgtg tcaagagggg acataaatag aatttatctc acttaagatt tctcacttat 300
 ttgacattgt aatcataatt tttttccagc acatattgca cagcatgaaa gatcccagta 360
 ttgctgcatt ttggttgact acatttcctc agattatggg tggatttacc tatgacgatg 420
 atgt 424

<210> 9855
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9855

agcttattta aaagttctgc ttaaagacgt ttttgattaa ttaattattt taaaacctag 60
 tgaaatacta actaaaaaaa gaaacttata aaattttgta taagtaatgt acaaaccctaa 120
 aaataattga taaacaaaat catattgaat tcaagtcggt aaagcataga gtatattaaa 180
 agaaaataaa aaaaacataa tagtaaaaaa tgtatggatt agagatgatt tgcaaaaaat 240
 gaattctatt ctatgtgaac agtgtgcatg gacagtaata aaaattggaa tactaaaatc 300
 ctagaattat tctcctttcc gaaaaaaaat tcctaaact aaaaccttgg tgcttgtata 360
 taagtacttg gccccaaagc ttacaaatct attttaagtc caagcccat 409

<210> 9856
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 9856

actaagctta tgctgaaata ttacaataga cctcctcaac ctcatcagca aaatcaacca 60

cagcagaaca attatgacct ttccagcaac agataccacc ctggatggag gaatcacccct 120
aacctcagat ggtccagccc tcagcaacaa tagcagcctg cttcttccctt ccaaaatgct 180
gctggcccaa gcagaccata cattcctcca ccaatccaac aacagcaaca accccagaaa 240
cagccaacaa ttgaggcccc tccacaacct tccctcgaag aacttgtgag gcaaattgact 300
atgcagaaca tgcagtttca gcaagagacc agaagcctca ttcagagctt aaccaatcag 360
atgggaca 368

<210> 9857
<211> 413
<212> DNA
<213> Glycine max

<400> 9857
ttcattagat tgaactgcct tggatttatt atttgtattc acagacttgt acaaatcaac 60
ttcaagetca cataaatctt caaccacca gtcttttggc accagtcgag ttctgagtcc 120
attctggttt gactcaattc cattttcttc tggaagcttc ttccggttat aggtgtagga 180
ccaatctact ttggatacat caacacatgc cttatttgct atagattcaa tgcaatggct 240
gacaaccttt atgtcctcaa ccaagggtaa catatacttt gaagtctgaa gaaggatgat 300
tgaatccttc caactacgga aaatgctaga gctaataaaa acatcaatct tgtcaatgag 360
gttccctttc tcaatggcct catgcattcc aagatactct gctgcacatc gag 413

<210> 9858
<211> 421
<212> DNA
<213> Glycine max

<400> 9858
ttgttttcaa ttctgaccat ctgatatat taccggactc atccggactt ccgtgtataa 60
acttattgtc aattcaattt tctccgagct ttggatcaaa attttgagcg tattgatata 120
ttacgggact cattcagaca tccgagtaaa aaattattgt cgttagaatt tgatacgagc 180
ttccgttttc aatttggagc atctctcgct aaattgcgac agtctgtcgg gcatccaaga 240
aaaaatttat tgcgttttca tatttctaag agtttccggt ttcaatttgg agtgtctcga 300
tatattacgg gactcaaccg gacatccgtg tataaagtta ttgtcatttc aaattgctca 360

gagcttctag tctcaatatt gagcgtctca atatattacc cgattcaatc ggacatgcga 420
g 421

<210> 9859
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9859

agctctgagc aaattgaaat gacaataact ttatacacgg atgttcgggt gagtcccgta 60
atatatcgag acgctcaaaa ttgagatccg aagctctgag aaaattgaat cgacaataac 120
tttatacacg gatgtccggt tgagtcctgt aatatatcga gacgctccaa attgaaaacg 180
gaaactctta cgaaattcaa acgacaataa ctttttactc ggatgcccgga cagagtgtgg 240
taatatatcg agggatgctc cacattgata acgagcgctc ggatgaaata caaacgacaa 300
tatcttttca ctcagatgtc tgattgagtc ccgttatata tcgagacgct caaatcttag 360
atccgaagct ctgagaanat tgaatagaca ataactttat acacggatgt cgggttgagt 420
cctgatatat atcgagacac t 441

<210> 9860
<211> 428
<212> DNA
<213> Glycine max

<400> 9860

tgccataact cggttgtgct tattcttcaa tgccatatgt agcaaagtcc ttgatcctgt 60
caagttagat gagctgaaaa acgaggcttc catttatattg tattagttgg agatgtatct 120
ttctcttgct ttctttgaca tcatgggttc ctttaattatt catctagtca gaaaaatcaa 180
atgttggtgt cctatcttatt tgccatggat gtacccggat aagcaatacg tgaagatctt 240
aaaagggtat acaaagaatc cacaccgtct ggaagcatct attgtggaaa ggtacattac 300
agaagaagct attgaatctt attcagagta cattgaaaag acaaatctg ttgggcttcc 360
cgagtctcaa catgacgaaa gagtgggagg taagggttca agaggactgt atgttatcac 420
tccaagta 428

<210> 9861
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 9861

```

agcttgtgca atccactggg aaccatcctc tgagcaagca tacaaatgga aaaatatgag 60
tcccaaagta ccaaaatccc tgoggatata tgaagctcat gttggaatta gtgggttctga 120
gccaaaaata tcctcattca atgatttcac agacaagggt tccccctca tttctttggg 180
ttggaatttg taactaatca attatacata tcttccatgt ctatatattg taatgggctc 240
cattgaattt ttacttttat tatatgcaca atgcagggtc ttccttacat taaggaagct 300
ggatacaatg ccatccagtt gattggaatt gttgaacaca aggattattt tactgttggt 360
tacagagtaa gttaaatggt gtaattctta acttattttc tcaactgtaat tatattgtga 420
ttgagattct ttagaagttc ttc 443

```

<210> 9862
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9862

```

ngaggtaatc tactcaaatg tgtatggacc atccaaattg gatctcttgg tgcaaatatg 60
catttgtgtt ccttcattga tgatttaact agaaaagtgt ggattttatt gattaaatga 120
agagtgatgt gtttgatgtg ttcaaaaagt tcaaaagggt gatttagaaa caaaataaca 180
aacagataaa agtggttaaga acaaacgaag gtggtgagta tgtattagat gtgtttcgaa 240
acttctatga ggtagaagtg atagtgcac aaataacatt atcctatact ccacaacaca 300
aaggaactat tgagagaaaag tgtaacgacc cgctctgctg ctacgatata acttactata 360
aaatatgaca tttcaattta gaagtaaaag cctcattaat ttga 404

```

<210> 9863
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9863

ntacataaag gcgaaagata tgaaacatta atacttgtat gaacaacatc ttgttttgtt 60
 ccccttggtg tgactgaaag tatttgtctg aaagtatttt attatatccc ttaacgttct 120
 atcaacaact tcaaaacaat gtatgagtc tagcagcttc accccaaatt atgagtttag 180
 gcattgagat taactcagct aaaggagtag cttgttttat gttggaagta gaattctaat 240
 tgacatttat tggaatatga aatctcgaat gggatgcttt tccgcctaga atcaacaaag 300
 catccattcc atcagatgcc acagttaaaa caatttctcc tttagatcta aatgtggcaa 360
 agaaaagctc ttcaaagaag acttatgtgt cctccataa ccataaagaa taaacaatat 420
 tgcattatth aaattttca 439

<210> 9864
 <211> 281
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9864

ngtcaaagct ctatatggat ngaaacaagc tccaagagct tggtagaaa ggctaagctc 60
 attcctagtt cataatggat tcactagagg aataatggac actacactat tcataaaggc 120
 cgaaaaagga aaactttctta ttgttcaaat ctatatagat gacataatct ttggtgcaac 180
 ctcaaaaagg atgtgcaagg atttttctga gctaataaaa ggtgaatttg aatgagtagt 240
 gatgggtgag ctaaatthtat tccaaaggct ttaaattatt t 281

<210> 9865
 <211> 245
 <212> DNA
 <213> Glycine max
 <400> 9865

aactcaagct tgaatcggac ctcatgtgta aaagttgtga ccattttaat ttctcgagag 60
 cttttgttcg gcaatttcag gcgtgtatat atgtgagtcg cccgaatcgg acatccgagt 120
 taaaagtgat gtgcatttaa atatgtcaag agctaccgtg gctcaattgc gagcatctcg 180
 atatgcgatg cgtctgaatt ggagatccct gtaaaaagta ttgaccattt gaattgggtcc 240
 agagc 245

<210> 9866
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 9866

agcttataat atatcaatac gctcgatatt aaacaacgga aactctcgcg aaattcaaatt 60
 agtcataact attcacacgg atgtccgggtt cgggcgctta atatgtcgag aggtctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa ctggtataac ttttcacacg gatgtccgat 180
 tcaggcgaat cacatattga gacgctcaaa aatgaacaac ggaagctcct gagaaaatca 240
 aaagggcata actttt 255

<210> 9867
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 9867

agcttgcttc atgaaaggaa ggattgatat gatataattaa tattctcatg taaacatgac 60
 ccacaataag gttttaaact tcttgaccat cttgggcttg agatggatct tctgtgcatt 120
 agtcaatttt ctatccataa tatatttaatt ttttagttaa tatgatataca atgtaagcct 180
 ttgatctcat tgattgaaac tccaagctct gacaagtcac actttacaat gttgctttgt 240
 gatgtctgtg gatggggaag caagcaagggt gatgaaagggt gttcaatatg aagcctgtga 300
 ttatctcttt aagcctataa ggatgaaaga actaataaac atatg 345

<210> 9868
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 9868

agcttccact tattagtgcg caactccttc aagaatttag catatcttgg aatttgcttt 60
 attgcatcca gcagaggtat gtttacctct acttttctaa atgtttccaa gatctccttc 120
 tctgcctctt ccattttttt gttggaaatt gctcttggag ggaatggaag aaggatatgc 180
 tgcttctctt tagattcacc tgcataaaaa ttcttaggta acttactctt taaatttttg 240

tcacatcctt tttctggagt agagagaaat tgggcacgtt catttgtgga tgaggaagat 300

gttgctgggt gaggtccttg aactgcctt cccgacctca atgtaatggc actcatatt 359

<210> 9869
<211> 369
<212> DNA
<213> Glycine max

<400> 9869

agcttacaag gtgtctctat atataaact aatgagacac aagtttttac aaaccaagtg 60

agggtgggact aagactacaa aactctaaca atccaagcaa tgtgggacta agaccacaaa 120

attctaacaa ttctctcact tgggggtctaa gttctaaatt ctagcaactc cttgtaagcg 180

atgagttcat cgactcttta cctagtgtag cgccttcac ttcaattatc cttgaaggcc 240

aaatgaggca atgcaaagcc tcagcttacc agttgtaaca gctttagtca acatatctac 300

tggattctct gatcctaaga tcttcaacaa agataagtct ccatcattta tcaactcctt 360

gataaaatg 369

<210> 9870
<211> 381
<212> DNA
<213> Glycine max

<400> 9870

agcttcttct tggttctctc cccatttgaa accaatattt ttcttgagca cttcattgag 60

agggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg ctaagccatg 120

aaaactctc acctcggtca cagacttagg tgtatgccat tcttgaatag ccctaacctt 180

ctctgatca acttgcactc cttttgaact cacaacaaaa ccaagaaaca caacatgggt 240

agtacaaaag atgcattttt caagattggc atacaattgt tcttttctaa gccgagtc 300

gacagatttt aaatgatcaa tatgcaaatc aagtgaagtg ctcttgataa taatatcacc 360

taacgtcacc acaacaaact t 381

<210> 9871
<211> 379
<212> DNA
<213> Glycine max

<400> 9871

aaactccagc ttcttcacat agtccgcctc tgcttggtcg tttttattct taaaaataga 60
aacattaggc atagccaaaa gatcaagagg agttagtggg ttaaaaccat aaacaacttc 120
aaaaggagaa ctattagtag tgctatgaac aactctattg taagaaaact caacatgggg 180
taaacaagct ttccaagttt ttaagttctt cctcaaaaact gtcctaagca aagttcccaa 240
tgtctatta acaacttttg tttgcccatc ggattgtggg tgacaaatgg ttgaaaataa 300
cattttattg cccaacttgc cccacaaagt ccttcaaaaa aggcttatga acttagagtc 360
ctatcactaa caatgatcc 379

<210> 9872

<211> 370

<212> DNA

<213> Glycine max

<400> 9872

agcttcacaa aagtttatat ggcttgaaac aagcattgag gcagtggtag aagaagtta 60
atgagtttat gagcaactca tgattcaaaa gatgtgacat agaccattgc tgctatgtta 120
agaaatatac taatagttat gttatccttg tcgtgtatgt tgatgacatg ttgattgcag 180
gatctagtag ggcagaaatt aacaagttga agcagcagtt ggcaaaaaaac tttgaaatga 240
aggatccttg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcaaaag 300
gaatcctgaa gctgtctcag gagaaatata tacacaaatt gcttgacagg gtttaccttg 360
gagattctaa 370

<210> 9873

<211> 287

<212> DNA

<213> Glycine max

<400> 9873

agcttgaagg tttatttcta tgaattctaa tataagcaac aattaccttg tatgatgtaa 60
atatgagaaa atctaattaa tttaatgata ctattcttaa aacatccttc atttaattgc 120
gattctatct ttaatgactt ttttttttct atgatatgaa gattacataa aggaaagttt 180
aggaaaataa gattttttta ttgagattat tacaattaaa ttatgttaag tgactttctt 240

aattagtaca aaattaatta tttttactta ttttgaatc tggaagg

287

<210> 9874
<211> 395
<212> DNA
<213> Glycine max

<400> 9874

ttgaagtggc ttgacctttc aaataattat tttcattgac tgattcctcc tacttttggg 60
aatatttttt atctcaaata tctagacttg ttttcaaaca agtttaaagg ttcaattcct 120
ccaaaattgg gtgctctaag gagcctcaaa acattgaacc tttccaataa cttgctgggt 180
ggagagatac caaaggaact tcagggcctt gagagtttac atgattttca aatattcaac 240
aatcacttga tggaagggta ttggaccaat ctaagagttt ttgctgctta tgagaataat 300
ttcgatggaa gggttccaag taaacttgga ttcatttatg agcttaaaac acttaacctg 360
cattcaaacc accttgaaag cctataaccg ggaag 395

<210> 9875
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9875

agcttcttcc ttatcatacc gccgggtaat cggtaactt atttacctga caaacactcg 60
tactgatata acctatgttg gtcaacaact catccaatat atggctcacc ctacctcagc 120
tcactcccaa gccgcctttc gtgtcttacg atacctcaaa agctctccat gtttcagaat 180
atttcttget gccaacggac ctctacaact caaagctttc aacgactcct actggncctg 240
ctgtcgggat acgacgcgtt ccatacaggt gtacttcgaa tatctcagaa tcttcatta 300
tttcttgggc gtcgaaaaaa caacctact 329

<210> 9876
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9876

tgtgggtgga ggacgcatga acgaaaacac aattctggtg ctctaanaa gggttgagga 60
 tggagaattg cactaagcaa tcactacgca cggctccaag ctccagggtg gaggacgcat 120
 gaacgaaaaa gcaattcatg gggctccgaa aaagggttga ggatggagaa ttgactaag 180
 caatcactac aaacggctcc aaactcgtgg gtgaaggacg catgaacgaa aacgccattc 240
 atggggctcc gaaaaagggt tgaggatgga gaattgcact aagcaatcac tacgcatggc 300
 tccaaactcc tgggtggaag acgcatgaac gaaaatgcaa ttcatggggc tccccaaaaa 360
 g 361

<210> 9877
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9877
 agcttgctcg tcttgctgat atttatcatg cagacttttc tgatgatgac cgaggaacaa 60
 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct tttccactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttgggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca acatccgttg 240
 aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300
 tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360
 atattgatat tattcg 376

<210> 9878
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9878

tgggcaaatt ctacgacaat aacattttac tcggttgctc gactgagtca cgtaatatat 60
 tgagtcgctc gaaatagaat acagaagctg tgagcaaatt ctaacgtcaa taactntttt 120
 ctcggtatgc cgattgagtc acgtaatat tgcgagcgtc cgaaattcaa tacagaagct 180
 atgagcaaatt tcaaacgaca ataactttta actcagatgt ctgatcgagt ctcgtaatat 240
 atacagacgc tcgaaattga atacaaaagc ttgagcaaa ttcaaacgac gataactttt 300

aactcaaatg tccgatcgag tcccgcata taacgagatg ctagacatag aatacagaag 360
 ttgggagcta attctaaaga caat 384

<210> 9879
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 9879

tagcttgcca ccacggagtt ttccgactat tgtcttgtgt gggggaacaa gctacaaaag 60
 gagagagcaa gaaatgaata gcccatgggt gatacatgga cggagatgaa aaatatcatg 120
 aggaaacggt atgtgccggc tagttactca attgacttga aatttaagct ccaaaaacta 180
 acccaaggca acaagggggg tgaggagtat ttcaaggaaa tggatgtgct catgattcaa 240
 gcaaatattg aagaagatga ggaggtaact atggctcgat ttcttaatgg ttgactaat 300
 gatatccgtg atattgttga gctgcacgag ttgttgaaa tggatgattt gcttacaaag 360
 c 361

<210> 9880
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9880

tctgttttca atttcgagcg tctcgatata ttccattact caatccggca tccgagtaaa 60
 aagttattgt ccttttgaat tgctaggagc ttctgttttc aatttcgagc gtatcgatat 120
 attaggggac tcaatcggac atccgagtaa aaaattattg tcgtttgaat ttgatatggg 180
 cttccgtttt caatttcgag cgtgtcgata tattacaaga cataatcgga gtaccgagta 240
 agaagttatt gttgtttgca ttaggtacga gttccggtt tcaattttga gtatctcgat 300
 atattacggg aatcaatcag acatccgaga aagaagttat tggtgtttgc attttggtcg 360
 agcttccgtt ttcaatttcg agcgtctc 388

<210> 9881
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 9881

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaacaaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggttttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atgtgcttgt ttgtgaagca catgaaggag gttaaatggg gcattttggg gtccaaaaga 360
ctctataaac atta 374

<210> 9882

<211> 340

<212> DNA

<213> Glycine max

<400> 9882

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60
gctctcctcc ttgagatgag aagctagaac ttagctacac accccctata atagctaagc 120
tcacccccat gacaaaaaac atgaaaatac caaaaaaagt ccttactaca aagactactc 180
aaaatgcctt gaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc 240
ccaaacgaag gaaaaaccta ttctaataatt taaaaagata agcgggctta tacttagccc 300
atggggtcaa aatctaccct aagggtcatg agaaccctac 340

<210> 9883

<211> 368

<212> DNA

<213> Glycine max

<400> 9883

tctacccct gatatttttt tgtcatttct ccattctctc ttcattgaact tttcacactg 60
caacagtgtg ctccactaga gagacactga atttgggtcc aacaccgcat taaaagtcac 120
cgttgtgact cactgatgca atcctacccc cccaagggca ttggatagaa gactccaaaa 180
atattggacc agagatgcaa gagaaggccc taaggttctc atgagcctta gggtagattt 240
tgggccccatg ggctaagtat gagcccactt gtctttgtac atattagatt aggatttcat 300

tatttttggg ccttgatat aaggcttcat aatgtatgta ggttaccct aaaatgaaag 360
 atttttct 368

<210> 9884
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 9884
 tcagttcact gttcatgta gtgcacaata tgctttcaga gaaaacactc tgccaaaaaa 60
 gttactatca agcgaaaaag atattatgtc tgatgggtat ggggaatcat aagattcatg 120
 ttgcccctaa tgattgtata ttgtacagac atgagtttga agagatgaac aaatgccctc 180
 ggtgtgggggt atcacgctac aaaatgaaag atggagatga gtgtagtatt gacccaaact 240
 caaagaaagt tccccagca taggtgatgt ggtatcttct g 281

<210> 9885
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 9885
 ttcagtataa ttcagataat atagaattct ctatttttga tcagtttgca ggtgcagcac 60
 agtctcttgg tgctgggtgct atcttgggta acccatggaa catcacagag gttgctgctt 120
 ctatcgggta tgcgtaggaa atgccacett atgaaagaga aaaaccacat cagtttaatt 180
 tcaaacatgt tgaaactcac acgtcacagg aatgggcagc aacttttgtg aagttttaat 240
 cctataacat agcttgcat ctgcttctct tagatcaatg ttcttccgca ctttattttt 300
 cttgtgatat agaacatggc gccttacatg agcatattat atcgaccact aaagctagtt 360
 tgaaatagag tcaatgggaa aa 382

<210> 9886
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 9886
 agcttaacaa aatagaatat ttatgctttt ctggaaacaa cctactgggc caattgccat 60

catcattgtt tgggctaact cagcttagtg atttagattg ttcatacaat aaattagttg 120
 gcccaatgcc agacaaaatt agtggacttt ctaatttatg ttctctggat ttgtcaacta 180
 actccatgaa tggaacaatt ccccatgttg gcttttcttt gtcacgttg atacaattat 240
 ctcttcatgg gaatcagctt acaggggtcaa ttgggtgaatt ctcttctttt tctttgcatt 300
 attgagatct ctcttataac aagctacaag gtaatatccc caactcaatg tttcatctac 360

<210> 9887
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 9887
 ttagtaaaga gagagaactt ccaattaatc agagcttcat atgcttttcg gatgaaaaac 60
 aatgtgtgta ccggtgaatg ggagtatgct gatgaaatct tctcataacc acaaatgaga 120
 tattggatgt tagcatttcg ttctataat gaccacttag aggaaacatt ggggtctcacc 180
 taaatacaag aaaatcactt caagtgtatt aat 213

<210> 9888
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 9888
 taaaggagaa gttggttttc tgaactctaa actggataac atgacaaaat caataaagat 60
 gctgaataaa ggctcagata cgcttgatga ggtgctgcag cttggaaaga atgttggaac 120
 ccagagagga cttggattca atcctaagtc tgctggcaga acaaccatga cagaatttgt 180
 tcttgccaaa aacagcacta gagccacgat gtcacaacat cgggtctcgac atcatggaac 240
 gcagcagaaa aggagcaaaa gaaagaagtg gaggtgtcac tactgtggca agtatggta 300
 cataaagccc ttttgctatc atctacatgg ccatccacat catggaactc aaagtagcaa 360
 cagcagaaag aagatgatgt gggttccaaa acac 394

<210> 9889
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9889

agcttctctcg tggcttcttt gagaagcttt ctcaagaggc ttctttgaga agctagatcc 60
ttatctatcc acacccctct attaaactaaa ttaacttctt taaaaataat tacggatgaa 120
aataacgcaa caaataatca aacattaaac ataattacta ataatatata gatatatata 180
tcaggggtgtt acaactctcc taccctttta gaaatttcgt cctcgaaatt taccttactc 240
aaacaaggat ggggtgagctt ctgcacatctg acttttcta tccacatgg catcttctct 300
tgatgcacct ccccgatca ccttgaccaa cggaatctct tccctctta ggtgggttgt 360
tcgctatcc t 371

<210> 9890

<211> 387

<212> DNA

<213> Glycine max

<400> 9890

tcaagaatta tggcctcatc aaactacttg tttccctagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactac tggaaaacc gcacgcaa ctttatagag 120
gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300
tttagggttt caaattgtaa aagtgtctag gatatgtggg atacactaca agtaacacat 360
gaaggcacia cagatgttaa aagatct 387

<210> 9891

<211> 365

<212> DNA

<213> Glycine max

<400> 9891

agctttggga tgacagtcca taccttctga aacagttacc tggaattggg atggttacag 60
caaaggtaac atttattgat tcgttgatgt tattaacaca taattgttac taatacatat 120
gctctagcaa tcagttgcct aatattctaa ttttgaagtt ctttcaggc actgcattca 180
atgggagtta gatcgtttga ggaacttgct gatgctgac cgaggagaat agagctagt 240

actgggtcgaa aatacccatt tggtaaccat attaaagatt ctctactgtc tctacctcca 300
aaagttgatg tgacgcttgc agagattgaa agccatatac aaggaaattc caagctagta 360
gtaac 365

<210> 9892
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9892

tgttggttat aacaaacttt aaccaactaa ctactaacta ataaaattaa ctaccatattg 60
aattaactaa tttcaacact tctctttaat tcataattggt acaagacatt actcctagcc 120
tatctctcat ttccttaaatt ntgatacact tcaaaggctn tgtcaacatg tttgctagtt 180
gatcttaaga tctacaaaac tcaagctcaa acttctcctt attcacatga tctctcaaaa 240
agtgaactt ggtctcaata tgtttacttc tcccatgtgt cactgggtgt tgtgccaggt 300
caatagttaa cctattatta attaacaatc tcattggctt gaccatcttt caaataagtt 360
ctttcatcac ag 372

<210> 9893
<211> 332
<212> DNA
<213> Glycine max

<400> 9893

tgcttcttc atcgtagtta tccacgagac cataatacca actctggtec aatggccaaa 60
agattttaat tctccggttt agtaccat atgcatccac atcacctaaa aggatttcat 120
aaaaatggcg cctcttcttg gagttactct tgtttttata ttgtttccta ggctcaaaa 180
ctctgccagc agtatcagct gatgttgatt ctgaacctaa cggagacttc aaactgtggt 240
taacaatact ttgactagaa gattggaaaa aggacaaacc atttgaacct ttcataaaaa 300
atccagtaca gcttggatca aaccttgaag at 332

<210> 9894
<211> 410
<212> DNA

<213> Glycine max

<400> 9894

ajcttctggc gggacatctt gacttgcttt ccaatctgac attcaccact tattctgect 60
tcttctatctt tcagattggg aatgcctcta acagcacctt tgtcaatgat ttctttcatg 120
cctcttatgg gcagatgtcc aaatctttga tgccatattc tgacttcacg ttctttggag 180
gatagacatg cggaggagtg actgggttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagatta cattgaatcc ttcacacac aactgactga tgctgatcaa gattgcagtc 360
agacccttca ccagcagtac tttgtccaga ctaggaagtc catcatgggc 410

<210> 9895

<211> 388

<212> DNA

<213> Glycine max

<400> 9895

tagcacttgg aatactgacg ctccattgac cagcctgttg atgctatgta aatggatatgc 60
atctttgggg catgtcctgt tcagatcagt gtaatcgggtg cacattctcc atttgtcatt 120
ggcctttttt accataacga cgttggcgag ccagggtggaa agccgaacct ctttgatgaa 180
gtttgcatgg aggagctggg cgaattcttc ttgacagct ttaagctgct cttctcccat 240
cttctttttt atttggtata taggtttggc ctggggacag atagccaatt tgtggcagat 300
tatgccagga tagatccctg acatgtcaga tgattgcaag gcaaataaat ccacatttct 360
gcattgcaac gtggcaatgc accggtgc 388

<210> 9896

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9896

ttagctntgt cccaagagc ttcattgata ctggtctaaa atcgcgaggt gaacctcgga 60
tccctgtcag atacaatact agaaggaatt ccatgcaacc ttattacttc cttgatgtac 120
aactccacta gcttatccat tctatacttc atattcactg ggataaaatg agcagatttg 180

gtgagtcgat ctactataac ccacacagca tcatgtccac gactagtctt gggtaaacta 240
gatacaaaat ccatagatat gctctgccat ttccattctg gaatttccaa tggcttcaat 300
tctcttgatg gtcgctggcg ctcaacctta tcttttgac atgtcacaca atangctaca 360
tattcagcta catctttc 378

<210> 9897
<211> 340
<212> DNA
<213> Glycine max

<400> 9897

tgtctaactc acttccccac tcttcttat ttcttgcacg aagaagataa gccaaactcat 60
taagaactaa tggaaatgtcc ttggcataat tgaccaccct ttttgataag ttgtcatact 120
ccctttgatc atcacattgg ttaaagaaat tcaaattgaa aagttcaagt gcttgattta 180
aactgaattc tctaagcggg tatacctcat cagctttgtt agctttaaga acttgcatat 240
ctctagttgt tacaatgatt ctactacctg atccaaaatt accaagaggt ccaagtaatt 300
ttttctagtg atttgaatca ttcatcat caagaacaat 340

<210> 9898
<211> 342
<212> DNA
<213> Glycine max

<400> 9898

ttcactcgga ggcccgattc aggcgcataa tatatctaga cgctcgatat tgaacaacgg 60
aggctatcga gaaattcaaa tggacaatac ttgaaactcc gacgtctat tcaggtgcat 120
aatatatcta tacgtcaaaa attttacaat ggaagctctt tggctattca aatggtcata 180
actcttcact cgaacgtccg attaacgcgc ataatatatc gacacgtcc aaattgaaca 240
atggaggtc ttgagcaatc caaatggta taacttgtga ctgggagggc cgattcaggc 300
gcataatata tcgtgacgca tcgaattgaa caacggaagc tc 342

<210> 9899
<211> 282
<212> DNA
<213> Glycine max

<400> 9899

agctttgatg taacatttgt agagggttata tgaacaacg agatgatgcg ctccatgaga 60
ggttggatca aatggagaat agagaccata tgaattgtc aagagcttcc attgttcaat 120
ttcgagcgtc tagatatata atgcgcctca atcggacctc cgagttaaaa gttttgacca 180
ttggaaatgc tcaagagctt ccattgttca atttcaagcg ccacgatata ttatgcacct 240
gaatctgacc tgctagtgc aacttatgac catttgaatt gc 282

<210> 9900

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9900

tctccctgtg gttctcgttc ttcttcttcc actcctcaac tcatggatcc ttcaacttct 60
tcttcttatt atgactcaca ttggcccatt tccattacga aagggtattcg ctctactcgt 120
aatcctcadc ctattttataa tttcttaagt tatcaccgtt tgtctccttt gtatagatcc 180
tttgttttct cattggcctc ccttactatt ccttccattg tccgtgaggc acttgatcat 240
cctggctgga gacaggctat gggtgatgag atgcaggctc ttgacgataa tggtaacttga 300
gagctggtag ctctatctcc tcggaagacc actgtgggtt gtagatgggt ctacaactngt 360
aaagttgggc ccaat 375

<210> 9901

<211> 381

<212> DNA

<213> Glycine max

<400> 9901

tcccaagttt ttaagttatt cctcattact gtcctattca aagttcccaa agtcctatta 60
acaacttccg tttgcccadc gggttggtgg tgacaagtgg ttgaaaataa caatttagtg 120
cccaacttgc tccacaaagt cctccaaaaa tgcaaatcat caagcctagg tataggatgc 180
ctatatttaa tgggtgatgtt attaagggct ctacaatcag aacacatgcg ccattgtcca 240
tccttttttag ggaccaaaaat cactgggaca gcacaaggac tcgtactatc tcttacccaa 300

cctttgctaa tgagttcacc cacttgtctt tgaatctcta tgcgttcttg tgaattactt 360
 ctataagctg gcctattggg c 381

<210> 9902
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 9902

ttgagccaat tcaaacgaca ataacttttt acattgttgt ctgattgagt cctgtcatat 60
 atcgagacgc tcgaaattga atgttgaatc tatgagccaa ttcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgttaata taacgagact ctcaaaattg aatgttgaag 180
 ctctgagcta attcaaacga cgataacttt ctactcggat gtctgattga gtctgtcat 240
 acatcgagac gctcgaaatt gaatggtgaa gctctgagcc aattcatatc acaataactt 300
 ttactcggg tgtctgattg actctcgtca catatcgaga cgctcgaaaa tg 352

<210> 9903
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 9903

agcttaaaca ttcaattttg agcgtttcta tatattacgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgtttg aatttgctca gagcttcaac atttaatttc gagcgtctcg 120
 atatattacg agactatata agacatctga gtaaaaagtt attgtcgttt gaattcgctc 180
 agaggttcaa cattcaattt cgagcgtctc gatataattac gggcctcaat catacatccg 240
 agtaaaaagt tattgtcggt tgaattggct cagagcttca acattcaatt tcgagcgtgt 300
 cgatatatta cgggcgtcaa tcatacatc cgagtaaaaa gttattgtcg ttgaattgg 360
 ctc 363

<210> 9904
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 9904

agcttagtca gggaattcat tgtcattatt ccctctgaca taacaaacag aaagagtgat 60
gagtaccata aagtgtttgt cagaggaaaa tgtgttagat tctccctgc tgtaatcaac 120
aaatacctgg gcagaccaac tgaaggagtg gtggatattg atgtttctga gcatcagatt 180
gccaaaggaaa tcaactgccaa acgagtcacag cattggccaa agaaagggaa gctttctgca 240
cggaagctaa gtgtgaagta tgcaatcctg cacaagattg ttgctgcaaa ctgggtaccc 300
accaatcaca 310

<210> 9905
<211> 370
<212> DNA
<213> Glycine max

<400> 9905

tggttacctc cttcttcaact acatcaagaa ttaccgtggt tgagtcttct ctgtggctgt 60
cttactgggt tagcccatc ctctaaattt atccaatgca tgcattgtgga tgggctaata 120
ccaggaatgt ctgccagggt ccagcctata gccttcttat gcttcttgag aactgataac 180
aacttctcct cttgctcatc agtaagaag gcagatataa ttactggaaa acttttgctc 240
tcatctaagt aaacatattt taaatttgat ggcaaaggct tcaattgtgg tgtggatggt 300
tggaatagtg tagaaagaga tggtttctca gcctgtacct cataaagaaa gtcagaggta 360
tgtgtacttt 370

<210> 9906
<211> 374
<212> DNA
<213> Glycine max

<400> 9906

agcttctca ccgtggacgg cgtcgttacc gatttccagc tgctcgtecg gcatcctcaa 60
gggtatgaac aattttatga caaggagaat aatgggtggtg gacaccaagt tccatccaat 120
aacaacatg gccgccacca attgcttgaa gaactgcaca ccaccacctc caccatataa 180
tgcaccctt gaatttgta ctggcaatag aagtctacaa agggctggtt ctgctaatag 240
acctgtgagg agaccaccca aaaggccagc cacagcatgt gtgtgaaaca caccaagggt 300
gtcatctacc tgaacataat atttttcaca aaattatggt aagtacaaat tatactaagt 360

aaaaaatcaa gagt

374

<210> 9907
<211> 332
<212> DNA
<213> Glycine max

<400> 9907

agcttttgtaa ttatgtaacc gaggggtgccc atgaagcaga gttcgggtgtc gacgcccacg 60
gtgatgaaaa aggttcggag gacggaggag gcgagtttgg acgacgccgt ttggaggctg 120
ggggcgagga ggtagtgga gtagaggag ccggcttcgg ggggcgcgtg gcaggcgcgt 180
agccagaaga ggcgcgtggt gaagacgagg ttgaagaagg tggagaggga ttcgggtgtg 240
tgcgagtcca tgatccatgc gatgggctcg ggattcagtt tctggagctg ggaacggggg 300
caggtgctat cgtgcgccgt gggggagtgg ga 332

<210> 9908
<211> 344
<212> DNA
<213> Glycine max

<400> 9908

cgcttaacaa aaggcatggt aagtgggttg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagg aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattgggc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcaaaaaat gggtttcttta 240
aacatgaagg ctttgttttt taaaaaaaca aaatgagtgg gcttatatgt tttattaaaa 300
aaatgtttgt ttttaaacca tcaaggacgt ttaaggggca tttt 344

<210> 9909
<211> 385
<212> DNA
<213> Glycine max

<400> 9909

tccttttctc ttctttgaaa tccaattggg gccactatt tgacattgcc cttgggattg 60
ccagaggtct tgtttacttg catgaggaat gttgcacca aatcatccat tgcgacataa 120

agccacaaaa tatacttttg gatgatcaat ataatgctag aatttcagat ttggggttag 180
 caaagctggt attgatcaat caaagccgca ctgaaactgg aattagagga acaaaaggggt 240
 atgttgccacc agattggttt agaagtgcac caatcactgc taagggtgac acttatagtt 300
 ttggtgtggt gttactagag atcatttggt gtagaaagaa ttagaaaaag gagcttggtta 360
 atgaagaaaa gggatattga ctgat 385

<210> 9910
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9910

ttgagccaat acaaacgaca atatcttttt tctcggtatg tctgantgat tcccgtaaca 60
 tatcgagacg cttgaaattg aaagctgaag ctctgagcca atacaaacga ccataacttt 120
 ttactccgat gtctgattga gtcccgtaac atatcgagac gctcgaaatc gaatgtagaa 180
 actgtgagcc aattcaaacg ataataactt ttttcacgga tgtctgattg agtcccgtaa 240
 catatcgaga ctctccaaat tgaatgtcga acctctgagc aaattcaaac gacaataact 300
 ttttactcgg atgtctgatt gagtccccga acatategag acgcttgaaa ttgaatgttg 360
 aatct 365

<210> 9911
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 9911

tcagctttca attttaagcg tgcgatata ttactgttac tcaatcagac attggaataa 60
 aaatcaattg tcgtttgaat ttgctcagag cttctathtt caatttcgag cgtctcgata 120
 tattacggga cataatcgga catcggaata aaaagttatt gtaatttgaa ttgctcaga 180
 gcttctgttt tcaatttcga gcgtctcgat atattatggg actcaaccag acatccaagg 240
 gaaaagttat tatcatttga attggcttag ggcttgcggt ttcaatttcg agcgtgtcga 300
 tatattatgg gacttaaccg gacatccaag taaaaattta ttatcgtttg aatttgctct 360
 gagcttcttt tttcaatttc gagcgtctcg aaatat 396

<210> 9912
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 9912

agctcttaac tgagattgca acgttccaat tgttttttta atgggtgtaat cgattacaat 60
 atattggtaa tcaattacca gcgtatcatt gaaatgcaaa ttaaattgtg aagagtcaca 120
 tcttttcata aaatgctttg tgtaatcgat tacatggcta tggtaatcga ttatcaactga 180
 caagttctga ataaaaagtc aagagatgta actcttcaaa tggttttctc aaagattttc 240
 tcacggatat aactcttcca atggttttct tgaccagata tgaaaagtct ataaaagcaa 300
 gaccttgact tgcatttcaa taactctgtt agaacaactt ttagaatatc ttgaacaac 359

<210> 9913
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 9913

agcttcttag tttcagatga tgcagatggg tttgtttcta cctcatgcac tcctctaattg 60
 actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctgca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatgttgga gaagaagctg ttctgaaatc 240
 tgatgggtgag ggcaactggc acatagtttc ttaaactcgct cccagtactc atacaggctc 300
 tctccactga gttgtctaata acctgagata tctttcctga tggctgtggt cctggaa 357

<210> 9914
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9914

ntaagatttt caaggctatg gttgacaaat agtctggttt gtatgtaga gctttgagaa 60
 tagatagagg tgggtgaattc ttatcaaatg aattcattac tttttgtgag gagcaaggga 120

taagaagaga attgattgct ccatatactc caaagaaaaa tggagtggcc gagaggaaaa 180
 acagaattgt ggttgagatg gcaaggagta tgatcaaagc tagagggtgtg ccaaacagat 240
 tctggtatga agctgtagca actgcagtgt acattttcaa tgtttctcat accaaagctg 300
 tcatgaacat gacaccactt gaagcttgga gaagaaagaa attgtctgta agtcatttga 360
 gaatttttgg ttgtacaaca tatgcattag ttgatttatg gactaagttg gatgataaat 420
 ctatcanatg tgtattta 438

<210> 9915
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 9915
 agcttgggttc ccaacgcact attctttctt ttctaaaatc tacaggtaaa cctaggatct 60
 ctatcagata ctatgctaca tggcacacca tgtaatatga caatctcact tatatacagg 120
 gaggtcaact caacttctcc aaggaaaata tgatattaat gggaatgaag tgagcagact 180
 tagtcattct atcaacaata acccagatag aatctaaacc tctacgggtgt ctatgtagtc 240
 ctaccacaca atccatggaa atactatccc acttcactg cgtatctcta gggttataac 300
 atcctgaagg tcttgatggt gatctatact tctgacagac tacgcatgat agacaaaaca 360
 ctaacctctt tctatgttgg ccaccaatca tcattttaaa tctgatctc ttgaaca 417

<210> 9916
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9916

tgtgcctctt cacgtctaga atatgtttga ttcatttga tccaaagacc ctcaggtgct 60
 ttgctgatgg cttcttctcg ttgcaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct gttgagtatg taaacaactg tgtagactgc ttcagctaag aatgtgttag 180
 atagtctctt ctctttgagc atcgatctag ccattttcgt aactgtgcga ttctttctct 240
 cggacactcc attttgttga ggagaatatg caactgtaag ttgcccgtca atgccttcat 300
 ccttacaaaa tctttcanac tcgcgagagg tgtactcttt gccgcgatta cttgttagta 360

cttttattcc gtttcca

377

<210> 9917
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9917

agcttgaagt tgagcacgtg gtacctnggt tgacttttga tttttctggc gcattgaagc 60
ccaaatatca cgagcagttt ctttgttcaa cgatagtctc caagattgtg cgatcaatgg 120
cttggaaaag atagttcttg gctttaacat ctttgagttt gctatcatca gctgctttac 180
tttgctcggc agtgggaattg gccggagcta ccacgattcc atcttcaata atgctccaat 240
actccttaga acgaaggaga ttctccatca acatggacca atgatcatac cgaccattca 300
aattgggaat agagggttgc agacaggatg 330

<210> 9918
<211> 334
<212> DNA
<213> Glycine max

<400> 9918

taataagagg catgctaagc gggtagagtt tttagattct ttttcatatg tcatcaaaca 60
taaaaagggg aaagggaatg tagtggctga tgcactgtct aggagacatg ctttacttgc 120
tatgcttgaa actaaactgt ttggtctega gtctttgaaa gacatgtatg tgcattgatg 180
ggactttgct gaaatttttg ctgcatgtga aaagttttct gaaaatgggt actataggca 240
taatggattc ttgtttagag caaataaatt gtgtgtgcct aagtgttcca ttagagagtt 300
gcttgtgagt gaatcacatg aggggggggg gggg 334

<210> 9919
<211> 388
<212> DNA
<213> Glycine max

<400> 9919

agcttcttag tctcagatga tgcagctgag tttgtttcta cctcatgcac tcctctaatt 60

actatggcat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120
 ttectggctt cagcaggagt catgtctcca acggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaacc 240
 tgatgggtgag ggcaactggc acatagtttc ttaaactcgt cacagtactc atacaagctc 300
 tctccattga gttgtctaat acctgagata tctttctga tggctgtggc cctggaagca 360
 tggaaaattt tttctaagaa tattctct 388

<210> 9920
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9920
 tactcaagct gaggcaaact ggatgcgttg gtcaacttgg taacttatct ggccttgaat 60
 cagaaatctg tacctgtcgc aagggtttgt ggtttgtgct cctctgctga ccaccataca 120
 gacctttgcc ctcccatgta gcaacctgga gcaattgagc agcctgaagc ttatgttgca 180
 aatatttaca atagacctcc tcaacctcag cagcaaaatc aaccacagca gaacaattat 240
 gacctttcca gcaacagata caacctgga tggaggaatc accctaacct cagatggctc 300
 agcctcagc aacaacagca gcctgtcct tccttccaaa atgctgctgg cccaagcaga 360
 ccatacatte ctccaccaat ccaacaacag caacaacccc agaaac 406

<210> 9921
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9921
 agcttctggg ataaatcttc gagttttcag tttcaaaact ccagtggtt cattggaatt 60
 aggtgtaacc tacagcattg acaaattatc tcataaatat atcacttcaa gggtcgttgt 120
 ttgtttctca cgaaacttat tcaccattgg aaacaaagag gatttacctt tctccaacta 180
 tgaccaagaa attcattcac agctatagca ttctgtccat acatcagtgg tgaggaccag 240
 taaccccaca gaaaccattt gtgcacattc tctggcacat agaacaaaac tatkataata 300
 aagggtcatt acagtaacca actttgaagt tacatgtacc atttcttacc tcgggaaatc 360

acaaa

365

<210> 9922
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9922

tccatcaata ggattgcac atccctcttc ccccttttaa tgatttgacc tcaaateccag 60
aggttcaaga aactttgggc ttcttccttc cacttgtaaa aagaataaaa acatatatat 120
tagtggtggt gggatatgta gagtagggta aggtctgaaa atccctttcc tgagcatctt 180
cacatgaggg aacatgggtc ctcaccaact caatcagtgg tgctgcaagt atagaaaaat 240
atgggacaaa ccttttgtaa aagtttggtta agtcatggaa gccctaatt tcccttatac 300
ttgggtggagt gggccactca aaaatgattt ttattctctt aggatccgtg gaaacccctt 360
gatcactatt taaaaaatta aggaaagtaa tgcaataaaa catacatnt tctgtatttt 420
catgtntatt actcct 436

<210> 9923
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9923

agcttctggt gggacatctt gacttgcttt ttcttcttac attcaccaca gattctgcct 60
ttctctatct tcagattgng gatgcctcta acagctcctt tgtcaatgat ttctctcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac ttctttggag 180
gatagacatg tggaggagta gctgggttct tgagggtgcc ataggtaaca gctgtccttt 240
gatctgctgc ccttcattag aacttcactt ttctcatttg tctaagca ttctgacttt 300
gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttagcagtc 360
agtccttca ccaacagtac t 381

<210> 9924
<211> 436
<212> DNA

<213> Glycine max

<400> 9924

gaccttaaat ctcagctttg cagctggaat attatcctat ctccgatgtt atgggtgggt 60
cccgctccagg tagtcccgaa gaagactggc ctcacagtga tcagaaatga gaaggaggag 120
ttgattccta ctcgagtgca gaacagttgg agagtctgca ttgactatag gaggctgaac 180
caggttacca aaaaggacca ttttccctg ccattcattg accagatgct tgaacgcctg 240
gcaggtaaat cccactactg tttccttgat ggtttttctg gttatatgca aattactatt 300
gctcctgagg atcaggaaaa gaccacattc acctgccctt tcggcacttt tgcttatagg 360
aggatgcctt tcggcctgtg caatgccctt ggtatcttcc agcagtgcac gattagtatt 420
ttcagtggat ttttag 436

<210> 9925

<211> 419

<212> DNA

<213> Glycine max

<400> 9925

tcaagaatta tggcctcacc aaactacttg tttccctggg aaattctata aatagacctc 60
ccgtcttttaa tggagtgggt taccactact ggaaaacccg catgcaaacc tttatagagg 120
caatagattt aaatatattg gaagccatag aacaaggacc ttatgttccc tctataatag 180
ccggaagtgc aacaatagaa aaacctagag cagattggac tgaggaagaa agaagattag 240
cacaatataa tttaaaggcc aaaaatatta ttacatctgc cttaggaata gatgaatact 300
ttagggtttc aaattgtaaa agtgctaagg atatgtggga tacactacaa gtaacacatg 360
aaggcacaaa agatgttaat agatctagga taaacacttt aactcgtgaa tatgaactt 419

<210> 9926

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9926

tcttagttnt agatgatgca gatgattttt gtttctacct catgcactcc tctaatgact 60
atggcatcat ttctggcgct aaactgctgg gagttggaag ccattctctc aatcaagttt 120

ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcacc taccatactt 180
ctctccatat tattgagtc ttcattaaaa tattggagaa gaagctgctc cgaaatctga 240
tggtgagggc aactggcaca tagtttttta aatctctccc agtattcata taggctctct 300
ccactgagtt gtctaatacc tgagatatcc ttctgatgg ccgtggctct ggaagcangg 360
aaaatgtttt ctaagaatac tctct 385

<210> 9927
<211> 384
<212> DNA
<213> Glycine max

<400> 9927
agcttcctta agaagatcct aaagtagctt gagcttagct acacatacct ctctaatagc 60
taagctcacc tccttgagat gagaagctag agcttagcta cacacccta taatagctaa 120
gtcaccccc atgacaaaaa acatgaaaat acaaaaaaat gtccttacta caaagactac 180
tcaaaatgcc ccaaaatata aggctaaaac cctatactac tagaatggcc aaaatacaag 240
gccagacga aggaataacc tattctaata ttacaaaaga taagcgggct catacttagc 300
ccatgggctc gaaatctacc ctaaggctca tgagaaccct agggccttcc cttggatctc 360
tagccaatct acttgagtc ttct 384

<210> 9928
<211> 438
<212> DNA
<213> Glycine max

<400> 9928
cgagaatgga gaattgcaat aagcaatcac tacgcattgc ttctaactcg aaggtggagg 60
acacatgaac gaaaacacaa ttcatggggc tccgaaaaag ggggtgagaa tggagaatta 120
cactaagcaa tcactacgca tagctccaaa ctggaagggtg gaggacacat gaaagataac 180
gcaattcatg gggctccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
atagctccaa acgcgaagggt ggaggacaca tgaatgaaaa cgcaattcat ggggctccga 300
aaagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcaaagg 360
tgaggagcac atgaacataa cgcaattcat ggggctcccg aaagattgag aatggagagt 420

ggcactaagc aatcacta

438

<210> 9929
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9929

tcnccataac ccttatagaa agtctcttca atgaaattaa ctgtatagta catgatcgnt 60
cactcattaa gcgagaagta caaaataaat cacattgatt ttttgttcaa aagtaccaag 120
taaaattttc ggcccttctc tgttctctgt ccttatctcg ggtataaggt tttattcaat 180
agagaaccct ttcttctgtg cctatacgaa ttgatattat tccattccaa tttctattgg 240
taactcacia gaaaaaactc aaattgacaa attagagcga gctcatccat gcagtcatgc 300
aatcaagca tcttcggcta taatggaaaa ctatctgcc gaagagccca ttacaaccaa 360
ttgagttaac aaccaaaaaa ataaaacttg agctaaaaac caaataaaca atacactgca 420
agcagttacc gaaatcacc 439

<210> 9930
<211> 418
<212> DNA
<213> Glycine max

<400> 9930

aaactcagct atgaggtgct tgactcctag cctcggttga agttttatat tcccagagctt 60
tcacttgggt gtcgttcttg gtgacaattg catcagggag gccatacctt catatgaggt 120
gttacgaggt aaacttcgcc acctcggttg ctatgatttc tcatagtggc cttacctcaa 180
tctacttgggt gaagtagttg atagcgacta gtaaatattt gattgctcct agggcctttg 240
gctatagtcc cattatgtcc attccacaca tggcaaagag ccaaggggag cttagctgtg 300
ggagattgtc aggaaggggt cgtggaatgc ttgtaaactc ttagcatcgt ctacatttct 360
ttgtgaaatc aagggtgtcc atcctgagtg tcggccaata gtagctggca cacaccac 418

<210> 9931
<211> 421
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9931

tctaattgtct ctccaccaat gagaataggc cttcttttct ctattatatt gaaattctga 60
ccagccacca tatttagagg ttaaaactct aacctatagc tgatgctgat cagatgcaaa 120
agcccataac catctacca acaaagctaa gttgaatttg gagatatact ttatccccag 180
tcccccatca gacttaggca aacaaatata atcccatttc acccaaggga tttttttatg 240
atcaatgtct ccaccccaca gaaaattcct ttgaagggat atcagcttat tgacaacctt 300
ttgaggtatt ttaaagaaaag aaaggagata aattgggagg gcattgagga cagaatntat 360
cagagtaatc ttccccgcca tggatatatt tttctgagcc catntggcta atcttgattt 420
g 421

<210> 9932

<211> 384

<212> DNA

<213> Glycine max

<400> 9932

ggatcttaag caccgcggct gcagctgaag caactagatg cattgtttat ttggtaacct 60
agttggcctt gaatcagaaa tctataacctg tcgcaagagt ctgtgggttta tgctcctctg 120
ctgaccacca tacagacctt tgcccttcca tgcagcaacc tggagcaatt aagcagccta 180
aagcttatgc tgcaaacatt tacaatagac ctctcaacc tcagcaacaa aatcaaccac 240
agcaaaacaa ttatgacctc tccagcaaca gatacaatcc tggatggagg aatcaccta 300
atctcagatg gtctagccct caacaacaac aacagcagcc tgctccttct ttttccaaat 360
gtgttgcccc aagcagacca taca 384

<210> 9933

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9933

ccggatcctt aagcacctgc ggctgcagct tgatgcaaca ttgnagaggt tattatcatc 60

gagatgatgc gctccatgag aggttggatc aaatggagaa tagagatcat aatgaagaag 120
 aaaggaggag aagaggggaat gatggtgttc ctagacaaaa ccgaattgat ggtattaaac 180
 tcaacattcc tccatttaaa ggaaagaatg atccggaggc ctacttggag tgggagatga 240
 aaatagagca tgttttctca tgcaacaact atgaggagga ccaaaagggtg aagcttgccg 300
 ccacggagtt ttccgactat gctcttgtgt ggtggaacaa gctacaaaag gagagagcaa 360
 gaaatgaaga gccaatggtt gatacatgga cggagatgaa aaagatcatg aagaagcggg 420
 atgtgccggc taagtactca agggacttga aattcaag 458

<210> 9934
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9934
 tccctcatca tgaaattttc tttcttgaaa catatttgtt gtatcaccat tccacaactt 60
 tttcagatca tcaatcaaag gttgtaaata aacatcaata ccaattgttg gattaaatgg 120
 gttaggtacg acacaactca caaacatata agtttttagtc atacatattt ctagaggaag 180
 attgtatggg gtaacaatga ttggccaata agaataaggt gaagacgatg cttaaatata 240
 tgggttaaat ccatttgtgc ataaaccaag tcgcacattt tgcgtatcaa tagaaaaatc 300
 tggatgtacc cgttcaaagt gcttccagac ttcatagtta gagggatgac ttaacatgcc 360
 tgaagatctt ctattctcat agtgctatgt catttcgctt acagtttgca tgggtgcaaa 420
 ta 422

<210> 9935
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9935
 agcttctaag gttgataggg caattgtgct tggnttcttg gatgtccaag ataccagtga 60
 ttntccaagg aattgacaag caccactggg gccttttctt tctacttaac caccagcaaa 120
 atcaatatca caatatacta caaaattaaa ctacagacct tttcttatag gccatgatta 180
 ctagttccaa tatgatatct taaaattctt ttaatttcag taacatgaca aatttttggg 240

caagattgaa attttttcaca aagacaaaaca acaaacacaa tatctgggtct actgggaatt 300
 aaatataata aggaaccaat catacctcta tacttatntt ttgaagtatc attacctttc 360
 tcatectcat caatgaccat g 381

<210> 9936
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9936

taagctcctt caactgcaca aggcctcttaa tatttgtgag tatecttatg gaaccttcac 60
 ccgatgaaga cactaacaaa aacttatctt ctcttttttg gacaaagtat gacaagttgg 120
 gggcaagtaa attttcttcc catcagacct tggatgcaac tgtgatcgta tccccatctc 180
 agctagatct tgacgagtat tcaagccgtc cttcatcttg tcttgaatgt taaggagcgt 240
 cccaatcaca ctgtcacata catttttctc cacatgcata gcatcaatac aatgtctaac 300
 gtctaaatca gaccaatagg gaagatcaaa gaaaatggac atcttcttcc atatgcaagt 360
 catactttta tcttctttt gggctcttcc aaatacagta ttaanggtgt gaaccactg 420
 gtatacct 428

<210> 9937
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 9937

tgtcgggttc agttataatt aagcgctcgc gttatcttat ggactgagcg aaaaggctca 60
 cgtcatcaaa tactacgcat cttttaaaagc acacagcgag gatcggaacc tcaaccctac 120
 gttcttttaa aagactgtga ggagaaaatc acagaggaca ggaatccctg ggggaaacca 180
 agaggaacac acaaaaataa gaacatgccg caacttcctt aattgcccta gatcttaagc 240
 gtaatatcgc ttgacaacgt cggagttcac gggatgaagg agctcctcat catccatgtt 300
 ggcgagcact acggccccctc cggagaaagc tctttttacg acgaaaggcc cttcatagtt 360
 cagggtccac tttcccttat tgtctttgag ggcttgggag actatcttgc gcaccaagtc 420

accttcgctg aacctg

436

<210> 9938
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9938

agctgtcaca tggatgnccg anctttttct tattatatcg agacgctcga aatcgaacaa 60
cggaagctct cgataaattc gaatgggtcat aacatttcac tcggatgtcc gattcgggga 120
cataatatat cgagacactc gaaattgaac aacggaagct ctcatgatat tcgaatgctc 180
ataacatttc acacggatgt ccgattcggg gacataactc atctagactc tcgaaattga 240
acaacggatg ctctcgagaa attcgaatgg tcataagatt tcacacgaat gttcgattcg 300
gggacataat atatcgatac gctcgacatt gaacaaccga agctctctag aaattcgaat 360
ggtcataaca tttcac 376

<210> 9939
<211> 339
<212> DNA
<213> Glycine max

<400> 9939

agcttatcgt gacatctgaa ctcgatgtat gtcatgtctc catgtgggggt tagctgaaac 60
atggatgcta ggggtggcaag cacattaccc atctgatttt cctctctagg aatgtgggtg 120
aaagagacct catcaagaac tcaatcagtt tcttgatgta ggctgatag ggtatcaact 180
tgtgatccct atgttcccat tctccctca gctggcgaat taccaaggct gagtctctgt 240
acactttaag caatttgaca ttaaagtcaa ttgccacttg gattccgagg gcacatgcct 300
catactcagc catattattc gtgcaatcga agcccaatc 339

<210> 9940
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9940

tctagaagtt ggaatcttca ttttgatgaa attatattat attttggatt cataaagaac 60
gaagatgaac cttgtgtcta caagaagggt agggggagta ggggtgttca tgggtgtggtt 120
tggttcgggt tttaggcaaa aagtcattca aaccaacat aaaataaaga tgtgttttgg 180
tttggctcag tttaaataata acatcaaatac taaacaaaac caaaccaatac atatttcagt 240
tttgcgggtt ttttattttt gtaatctatt atcctaattt aaatctgtca actaaactta 300
cataattatt atatatgcta tataatttta aaaatgaaat ttatttttat taaattttgt 360
ttaaagtgtt ttaactaaaa attatcttca cttctattta gcattgatan taaaataatt 420
taccaactct ttntgtaaca t 441

<210> 9941
<211> 422
<212> DNA
<213> Glycine max

<400> 9941

tgatgccaaa tggcccatgc tttacagcat caacattgct ttattgtgag cagaactctt 60
cctcagcttc tgaagccttt gtagtcttat ttatttctga gtttgaacac cactctcctt 120
ggaccaaccc attagatgat cgggttaagaa tcaaatcatc aattttctcc agaaccacat 180
caccttcgcc aaatgggcgc gcaaatacgg ctccagtttc cagcattgta tcatagtgtg 240
acatatcaag caattgggat tcagatggat cagtgtccca gaggataagc cacattgctg 300
aagaacatta gtagttttct tggtaaattg tcccatcctc taacacatta ctccataaag 360
gatcttgtaa gaatcatcca ggggtgaacct aataaatgaa agacaagaga aactaataac 420
ta 442

<210> 9942
<211> 435
<212> DNA
<213> Glycine max

<400> 9942

ttttattgta atcttgaaat tcaggacaac actctgattt ttgaaatttt cgggataaaa 60
atgggtcattg accagtcctt tttccatgac ttaaccaaatac tacctagtga cgggtgtacca 120
tttgaaggta cactgaatga cgactggaaa tttgatttct ctgcccatga tgcccgccag 180

ttgggtttgca ccaacaatgc ggatatgacc ggacgtcttc ttgccggggtc attggctttt 240
 gaaagccgca tcttccacta ttttaattgtg cgtattttgc ttccacgggtc ttccaacctt 300
 gccacggttt ctgaggaaga tctaattatc atgtgggcct ttcatacagg gcgtcaactt 360
 gactgggcac acttagtcag atatcgcatg cataaggcat tgtgattaca tgcctccacta 420
 ccatatccac agctt 435

<210> 9943
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9943

agctntatct ttttaagatct ttatgtgcga ttntcatgaa aatgatagat ctcacccagc 60
 gcaagttgct gcagcccaga tacgcacact gctatataaa catgaaggct gcacgagttc 120
 tgtaccaagt ccgggattga agagttatct tgtgagtttt gggacttgag tgttttgtga 180
 gccaccttga tgtcacccta acatcaagtg ttggacctga gtgtgtagag ttgatctcta 240
 ttgttcagag agcaatctct ggtgtgtatt tgatttaact gtaaacaagg gagagtgatt 300
 gatagggagt gagaggggtt ctcatatcta agagtggctc ttaggtagag gttgcacggg 360
 tagtggttag gtgagaaggt tgtaaacagt ggcttgtaga tcttctaact aacactatct 420
 tagtg 425

<210> 9944
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9944

agcttctata gaaggttcgt tctatttnc tctacaattg catcacctct caatgagttg 60
 gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcccc tgctttgctt 120
 aaagaaaagc ttactaaggc acctattcta gctcttctg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctag agtgggagtt ggagctatat tgttacaagg tgggcacctt 240
 attgcttatt ttagtgaaaa acttcatagt gccactctca actacccac ttatgataaa 300

gagctntatg ccttaataag agccctccaa acttggaac attaccttgt ttccattgga 360
 attgtcattc atagtgatca tcaatcactt aagtacatta 400

<210> 9945
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9945

agcttcagat tcggatccat aggactatct ttatgtctac aatnctgcat gcctgtctcc 60
 tccaaaatgt cgagggcgta cttcctttga gagatcacia taccatctcc tgactgagcc 120
 acctcaatac caaggaagta cttcaaatac cctaagtctt tgggtctggaa atgactaaat 180
 aagtgtctct ttagctgaat aatcttagaa gcatcattcc ctgtaatcac tatatcatca 240
 acatatacta tcaagtaaac acattttcca ggggatgaat gacaataaat aacagaatga 300
 tcagcctcac tacgtttcaa cccaaaaagt tgaacaatat gact 344

<210> 9946
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9946

agcttcaaga aaaatggctc tagtttactc tttattttcca gaaggaaatt ctatcaatag 60
 acctccaatc tttaatggag aggggttacca ctactggaaa acccgaatgc aaatttttat 120
 tgaggcaata gacttaagta tttgggaagc catagaaata gggccatata taccaccac 180
 agtagaaaga attacaatag atggtagcac atcaagtga agcataacaa tagaaaaacc 240
 tagagataga tggctgaag aggatagaag acgagtacaa tacaatctat aagccaaaaa 300
 cataataaca tctgccctgn gaatggatga atatttcang gtttcaaatt gtaagagtgc 360
 taatgaaatg tgggacactc tancantaac acatgaagga actacacatg ttaaaagatc 420
 tangataaac aca 433

<210> 9947
 <211> 401
 <212> DNA

<213> Glycine max

<400> 9947

agctcgcaat catttggtat aaaaatcacc ttgtcttgtg gctctacaca aggggtgactg 60
caaccttcta aaatagtatc tccttcaccc tattaaaatc aaaatgacaa tgttaaagtgc 120
tattcgtaaa aagatccctc caacccaaaac aagggtataa cagagaagga aggtaaagtgc 180
tagaagaaaa gaatgtagta attgtgaaaa caacaaatta agtaccaatg aagtgatgtc 240
atgccttgtg tagggagtag gacaactaga agccaaatca acaaattctc actatagatt 300
cctatccatg tacattctct ataaaacatt catggttagt gtggttctac taaattgtgc 360
atgacaagag tatattcatt agacatctaa atggaagtta t 401

<210> 9948

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9948

tccgttgctc aattacaagc gtctcganat attttgttct tgaataggac ctccgaggga 60
caaggatga ccatgngaatt ttctcgagag ctccgatgt tcaattgcga gcgtctccat 120
atattatgcg ctagtatcgg acctccgagt gaaaagttag gaccatttga attgctgaag 180
aacttccatt gtacagttcg agcgacacga tattttacgc gatcgaaacg gacctctgtg 240
tgacaagata tgaccatttg aatatctcga gagcttccgt ggttcaattt cgagcggtgc 300
gatactttat gcggctgaat ctgaccttcg agttaaaa 338

<210> 9949

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9949

agcttgtaat tgagcaacgg aagctttcga gtantattta aattgtcatc acttttcact 60
cggaagtccg attcatgcgc atcacatata gagacgctcg aaattgaaca acggaagctc 120
tcgagaaatt caaatgggtca taacttgtca ctcgagggtc cgattcaagc gcataatata 180

tcgagacgct tgtaattgag caacagacgc tttctagaaa ttcacaggga catcgctttt 240
 cactcggatg tccgattcag ggcgcatcaca tatagagaca ctcgaaattg aacagcggaa 300
 gctctcgaga tattcaaattg gtcataac 328

<210> 9950
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9950

tgtagtggtg tggttaaattg tctaataataa aaganatttt atgtaataat gtttctttga 60
 agaaaatttt atcagtgaag ataaaatatt ttgaatatga attttgtagt atttttttaa 120
 ttagattagg ttggtgttaa tgatttatta gtgtgttaat aattcatgaa cgtttcaact 180
 ttcatttaaa aaaattagta gatcatattt atttgaagaa agtattttga gtatgaaatt 240
 tattttaata tgaagttgta gtattttttt aattagatta gggttcatttt ttgtgttaa 300
 aaattgataa gcgttcaagt tgaaagtgtt atttgatgat gttttgttgt ttcttgatc 360
 atatttaatt taatatattt gtagtaattt tgtaattacc tatntttcat ttgaagttat 420
 ta 422

<210> 9951
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9951

agcttcaaga aaaagatggc ctgagcaaatt tctttatttc cagaagggaa ttctatcaat 60
 agacctccaa tctttaattg agagggttac cactactgga aaacctgaat gcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gaatttcaat agatggtagt tcatcaagta aaagcataac catagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtag aatacaacct anaagccaaa 300
 aacataataa catctgccct aggaatggat gaatatttta gagtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaaaga 420

tctaggataa atgcactaac tcatgagtat tgaata

456

<210> 9952

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9952

tgataggtaa ggactctatt tgtgactcaa aattatttct agttcaaact agcttttgta 60

tcttatacag cattttgtca tccaactgaa tgcttattat taagcaggga tttgatgaat 120

ccaatattgg agaaagggca taacagagtt cctgtctatt atgagcagcc tacaaatatt 180

attggacttg ttctgggatg taattatgca tacaatcact tatttttctt tattccttca 240

gtattgaaca atcattatct gctatgtgaa aacttataaa aaccacaaac agtatgagac 300

tattttcttt aagcttcaac ctgttaactt gctttccatc aagatgattn gcacaagtta 360

attatttttg tctgttcgac caaaactatg ttgctagggt ctgataaacc ctaagttaat 420

attaattaat aattt 435

<210> 9953

<211> 473

<212> DNA

<213> Glycine max

<400> 9953

tgacgtaagc tccattggag cttgtaggcc taggatcttc ttcatttatg gattcctttg 60

cttcttgga gatgaatggc agcggaatgg agaaggaaga gagagaggag acgccacttc 120

aaggagaaga tgagtctaga agaagctcac ccccatagga ggccatggat aagagcttgg 180

aggaagaagg agatgaatga agggagaggg agagaaaagc atgaaatttt gtgctctaag 240

agagctctga aatctgaagt ttaattttca aatgatcaaa gttcaaaaaa tgcacacata 300

tggcctctat ttatagccta agtgtcacac aaaattggag ggagatttga atttctatc 360

aaatttcact taaatttgaa attgaatttg tggagccaaa ttttggagcc aaaattcact 420

aatataatta aggaatttta actatgggtc agccactaa ttcaagatca agt 473

<210> 9954

<211> 517

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9954

```

tgacaattga gtggtatfff gtttcacata acagggagaa tgagcagcta tccaagtatg   60
gtgacaccaa aactgctcga agcattatgt tgatagaact gaaaaaactc atagaggcaa  120
atcctctttt ccgtgataag cttatcttcc ctacccttaa gtcatcaaga ctgcgaactt  180
tgatcaatca aaggatgtg tgattaatff ctaccaactt tatctatcta ttttgccatg  240
ctctttcatt cacatagttg ggctctgctt tttgacccat atgtcgttat gggaaaaatg  300
aaaagtaaat catgttgatt tctggacatg tagtataatn catatfffgt cagtggtaaa  360
tgataagaat ttggaagggt ttctggctct tttttaattc attcttgtaa atttgaatff  420
ttagcgtgct gtgccttgcc tattttttaa tcagtgaatt tatctatgcc ccttaatcat  480
gcagtctaaa ctggcagcat cagctctgca aaaaccc                               517

```

<210> 9955
 <211> 450
 <212> DNA
 <213> Glycine max
 <400> 9955

```

taaccatgg aagctcctaa tatctccac tctttttgtg gtgggccatt cttggatggc   60
cttgatfftc tcaagggtcca cttggacccc atttctacca actacaaaac ctaagaaaac  120
tatattatct acacaaaagg tacacttctc tatatttgca tagaagggtgt ttttcctaag  180
gactgaaaga acttgctctga gatgtcctaa gtgatcatct agcctctac tatacactaa  240
aatatcatca aaataaacia ctacaaatct acctatgaaa tcccttaaga catgatgcat  300
aagcctcatt aagggtgctg gtgcattagt gagcccaaaa ggcatacta gccattcata  360
caaacaaac ttggtcttga aagcaattat ccaatcatca ccttttttca tctgatttg  420
gggataccac ttttaaaaac aaatfftgaa                               450

```

<210> 9956
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9956

tatagaatat ataataaaaag aactatgact attgaagaat ctattcatgt ttcctttgat 60

gagtctaata ctatttctcc aagaaaggat attttagatg atgttacaga atcttttagaa 120

caaatgcaca ttcattggaca agatttctaaa ggaagaagtc aaatcaaata atgaacttcc 180

aaaagaatgg aaagcttcaa aagatcatcc ccttgacaac attattgggtg atatctcaaa 240

aggggtaaca actagacatt ctcttaaata tttatgcaat aatatggctt ttgtgtctat 300

gattgaacct aaaaatataa atgaagccat aatagatgat cattggatag tagctatgca 360

agaagaacta aatcagtttg aaagaaacaa tgtgtgggaa ttagtaaaga aacctgaaaa 420

ctaccctatc ataggaacaa aataggtatt taggaataag ttagatgaac atggcataat 480

ca 482

<210> 9957

<211> 530

<212> DNA

<213> Glycine max

<400> 9957

agcttggagg atcaatatac aggatcatct tccttgatt taagcaaata attttttaat 60

taaagatctt tgaatgttgt tagaaattat cactatgagt gtaagttttt ggtacctatc 120

aattcattag tcttcaagtt agaaatttat tgatttccac cccttgcaaa ctcaacattt 180

gttataaaaa gtttaaaatt tagagagaaa gcgtttgttt ttatttatta ttaaatttgc 240

ttcacaaccc tttgcaaact cagtaggttg caaaccaaaa tgcagtgata tagtgccatc 300

caacaacaac aacattccgt aaagttcaaa aagctaggca caaccgttca actttcaaac 360

tcaaaaccac aacatgaaca gaaaaacgtg aaacataaca aaatgggttg cactaatagt 420

aggaagcaac taagaaaata gtaaaactaaa aagtgtttta ttaagccaac ttgaagttga 480

gcacactaag atgagaaaga aacttgagcc agcacccac tcaaccccca 530

<210> 9958

<211> 436

<212> DNA

<213> Glycine max

<400> 9958

gcaagctgga gccaatccca agtcactagg ttgtcttgag ccatccccga caacagttcc 60
 tgagccataa ggggacccac ctttgacctt ctccatctca tacatgccat ctccaaatgt 120
 gtaccaaac ggaacaaaaa tcattccatg gtgaacaagc tgagtgcacag aggtcaacgg 180
 ggtctcttct tgtccacctc cttgagaact agtgctagag aagaacctg cagggttttcc 240
 tgctagtgcc tgtgtatgcc acagccctat agtgccttct aaaaatgctt tgaattgaga 300
 agccatgggt ccaaagtgtg ttggaaaacc gaacagaaag ccatcggcac cggcaagctc 360
 acgggggtta ataatatgaa catcatcact ctttgagggt gctcccttct tcacaaggac 420
 ttcttcagac agtggt 436

<210> 9959
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 9959
 tgcgaccatt tgaataactc aagagcttcc attgttcaat tttgatcttc tcgatataatt 60
 atgcgccta atcggacctc cgagtgaata gctatgacca tttgaataac tcaagagctt 120
 ccattgttca atttctagcg tctcgatata ttatgcgcct gaatctgacc tccgtgtgaa 180
 aagttatgac cacttgaata tctcgagagc ttcccttggt gaattctagc gtctcgatat 240
 cttatgcgcc tgaatccgac cttcggagga aatgtttg 278

<210> 9960
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 9960
 agctttgatg caacatttgg agaggtttat gatacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tgggtgttct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaaagg 180
 aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatt tttctcatgc 240
 aacaactatg aggaggacca aaaggtgaag cgtgccgcca tggagttttc cgactatgct 300
 cttgtgtggt ggaacaagct acaaaaggag agagcaagaa atgaagagct gggttgataca 360

tggacggaga tgaaaaagat catgaggaag cgatatgtgc cggctagtta ctcaagggac 420
 ttgaaattcc agctccaaaa acttacccca agcaacaagg gggttgaaga gtatttcaa 479

<210> 9961
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9961

tcaggctgct caattgctcc aggttgctgc atggaagggc aaagggttgt atgggtggtea 60
 gcagaggagc acaaaccaca aacccttgcg acaggtacaa atttctgatt caaggccagc 120
 tgggttacca agttaaccaa tgcattcagt ttctcttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ctatggcatac atttctggcg 240
 ctaaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300
 atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatggtgggg gcaactggca 420
 catagtttct taaatctctc ccagtactca tacaggctct ctccactgag ttgtctaata 480
 cctaagatac ccttctgat ggttggtggtc ctagaagcat ggaaaaaatt ctctaagaat 540
 actc 544

<210> 9962
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 9962

agcttggtga gcggtaatc taactgttaa aagattttcg cacctgttac ctagatgtcg 60
 gtgcagcttg ataatagttt cctctcttc cttggtgtaa ttctctctt tgagggttgg 120
 ccttaggtaa ttcagccacc ttaatctgca actctttcca catctcgcaa gacctgacaa 180
 attaataaca acaacaacaa caaagtaaaa ccaattacaa tggattcata tatgatttag 240
 gtataatctg tgcattgtga taattaaaca ttgaatatat ggttcctaca tattgatgta 300
 gaagttaaac caaaccttga aaacagagaa gaagaaaaat tgaaagccac attggcgact 360
 atattgatgg tacatgctct cacatacttt atttgtttc tgaccaaaact a 411

<210> 9963
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 9963

```

cgttctatag aagggttcgtt cctaatttct ctacaattgc attacctctc aatgagctgg 60
tgaagaagaa tgtggcattt acctgggggtg aaaaacaaga gcaagccttt gctttgctca 120
aagaaaagct tactaaggca cctattctag ctcttctga cttttctaaa acttttgagc 180
tagaatgtga tgcctctaga gtgggagttg gagttgtatt gttacaaggt gggcacctta 240
ttgcttattc tagtgaaaaa cttcatagtg ccacccttaa cagggggggtt catagaacta 300
ccaagaagtc cccttttgag gttgtctatg ggttcaatcc ctaacaccgt tagacctcat 360
tcccttccc ctagacactt cttttatata ttaagaaggg ggattctatg gtcaaagttt 420
gtaaagaaag ttggcatgag aggggttaat aaccaattt ga 462

```

<210> 9964
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 9964

```

agcttcaaca tcagaccact tcctttgttc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaagg actgtgtcat caatagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg aaaaatagga 360
ctttgcaaga cgct 374

```

<210> 9965
 <211> 529
 <212> DNA
 <213> Glycine max

<400> 9965

gaatcggaca tccgtgtgaa aagttatgag catttgaatt attttttagc ttccattggt 60
 caatttcgag catctcgata tattataagc ctgaatcgga cattcgtgtg aaaagttatg 120
 accatttgaa tttctcaaga gcttcggtg ttcaatttcg agcctctoga catattatgc 180
 gcttgaatcg gatatccgtg tgaaaagtta tgaccatttg aatatctoga cagcttctga 240
 tgtttaattc gagcggatca atatattata agcctgaatc gaaccttagt gtgaaaaggt 300
 atgaccattt taatttcccg agaactttcg gttttcattt tcgagcgtct ctatatgtga 360
 tgctccttaa tataacatcc gtgtgaaaag atatgaccat ttgaatttct caagagcctc 420
 cgggtgttcaa tttgagcctc tcgatatgtg attggccgaa tcggacatcc ccgtgaaaag 480
 gtaatacctt ttaattttta ataaatttcc ttgttaaatt tttagcttc 529

<210> 9966
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 9966
 accttcaacc tagaggagac ggaccatttt tgtgttgag aagatcaacg acaatgccta 60
 caagattgac ttgcctagtg agtataatgt aagtgccact ttcaatgtgt ctgatctatc 120
 tctttttgat gcagatggag gagccttggg tttgaggaca aatccttttc aagaaggagg 180
 gagtgatgag gacataacca agggcaagga ccatgaagca cttgaaggtc ccatgaccag 240
 aggcagactt aaacaagccc aacacgtcat agagacaagg ctggtcattt gtatagctgc 300
 cattgatgat gattgaaggc ccaagtggag aaagatg 337

<210> 9967
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9967

ttgcagtcta tataaagctt caagatgtga thtagctcct tgtttatctt gtaggcctcg 60
 gatcttcttc atcaatggag tcctttgctt cttgaagatt aatggcagtg gaatggagat 120
 ggaagaatga tgattggaga tgccacttca aggagaagat tagtcaagaa gaagctcacc 180

accataggaa gccattgata agagcttgaa agtaagagaa aaggagtgga gggaaagggg 240
 gagaaggagc acgaaatddd atgcggtcaaa agtagtctga actttgaagt ttaattctca 300
 aatgatcaaa gttganaaaa tgcacacaca tgaccactat ttatagccta agtgtcacac 360
 anaattcgag ggaaatdddga atttctattc aaatdddact tgagtttgaa attgaattdg 420
 tgcaccaaat ttdggaacca aattdcacta ttatgattag taaatdddtag c 471

<210> 9968
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 9968

tttatccatg gcttccatg gtgggtgagct ttttcttgac tcaacttctt cttgaagtgg 60
 cgtctccaat catctttctt ccttctccat tccgctttca ttcattctga aaaagcaaag 120
 gactccattg atgaagaaga tccatgttct acaagctcca catggagcta catcacttag 180
 taacgtaaca taaagcgtaa aatcattcag ttcatttctt aagattactt tccaatctca 240
 ctgaaaatcc aattdcatga cactagtgat aaaatagaat caagcattat gagtataatg 300
 aaattaccaa aaatgagtaa aacagattca tacatatata atacccaaag ggatccatat 360
 gggtaacaaag attacattca atcctttaga aaaactaacc gatcattgag tagagcacia 420
 gactaacaag agaaatggcg aataaagtga tccataatca caactctgca gtgcctcggc 480
 tgcactatta ctttctctt tctttgcatt tttctctgga atttcttcaa ctgcattctc 540
 ttttctttaa caatg 555

<210> 9969
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 9969

agcttctctc tcagctgctc aaatgcctct ctacaaagtt ggtcaagcaa aaaatdddctg 60
 tcttctgaa gaagcttgga caatgctagg agaactggc taaaatccta gatgaatctc 120
 ttgtaaaaac atgcatgtcc aagaaaagaa catacttctt gcacaaacat ggggtaagga 180
 aaagaaataa taacatcgat cttcgctta tcgacctcaa tacctatact agagacgaaa 240

tgcctaaga ctataccttc atggaccata aaatgacatt tttctaagtt aagaacaagg 300
 ttagttctcaa tgcattcgatc aaaaactcta gagaggctac ccaaacaatg 349

<210> 9970
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 9970

tcattgagaga gtcaaagatc aaattgagag gaaaaatatt ttctatgcta aacaagccaa 60
 caaagggaga aagaagggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
 agaaagggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag aatccgattt 300
 gaggacaaat cctttctcaag agggagagaa tgatgaggac atga 344

<210> 9971
 <211> 472
 <212> DNA
 <213> Glycine max

<400> 9971

ccttatgctg caaacatcta taatagacct cctcaatctc atctgcaaaa tcagccacaa 60
 caaaacaatt atgacctctc cagcaacagg tacaagccca ggtggaggaa tcattcccaac 120
 cttaatgggtc gaatccttca caacagcagc aacaacaaca acaaccttat tttcaaaatg 180
 ctgctggccc aagcagacct tacgttctct caccaatcca gcaacaacaa caacaacaac 240
 aacaacccta gaaacaacaa acagttgagg ctcttcgca accttccctt gaagaacttg 300
 tgaggcaaat gactatgcaa aacatacagt ttcaacaaga gaccagagcc ttcattcaga 360
 gcttaactaa tcagatgaga caattggcta cacaattaaa tctacaatag tcccagaatt 420
 ctgacagatt acctttctcaa tctgtccaga atccaaaaaa gtgagggcat ta 472

<210> 9972
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 9972

tccattgttc aatttcgagt gtctcgatat attatgcgtt tgaatcggac ctccgaatga 60
aaagttatga ccatttgaat ttctcgagag ctacctttgt tcaatttcgt ggcgtctcgat 120
atattatgcg cctgaatcgg acctccgagt gaaaagttat gaccatttga atttctcgag 180
agcttccgat gttcaatttc gagcgtcttg atatactatg cgactgaatc taacctccgt 240
gtgaaaagtt atgaccattt gaatttctca agagcttccg ttgttcaatt ttgagcgtct 300
ctatctgtta tgcgcctgaa tcagacctcc gagttaaaag ttatgaccat ttgattttct 360
tgagagcttc cgttgttcaa ttttgagcgt ctcgatataa tatgcgcctg aatctgacct 420
ccgagttaaa aggtatgacc cattg 445

<210> 9973

<211> 291

<212> DNA

<213> Glycine max

<400> 9973

agcttctata gaaggttcgt tccctaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttccgt acttttctaa aacttttgag 180
ctaaaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaaag tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac c 291

<210> 9974

<211> 555

<212> DNA

<213> Glycine max

<400> 9974

ttatagcaga tgccactcta ctccaaattc ttgaaggata tgtttttatg gaaacataag 60
tacattcacc aggaaaacat tatagtggaa agaaattgta gcactgtgat tcaaaagatc 120
cttccgccta agcataaaga cctgtgagt gtaactattc cttgttcaat tagagaagtc 180
actgtgggaa atactcttat tgacttagga gccagtataa atttaatgcc actctccatg 240
tgtagaaggt tgggagagct ggagatcatg ccactaaaa tgactttaca attggctgat 300

cgctccatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt 360
atcttctctgg cagactttgt ggtaattgat atctgtgaag atactgacat tcttgtaata 420
ttgggaaggc cattcatgtt aactgcaagc tgcatagttg acatgggtag aaagagaaat 480
gggttttgag gatcagaaaa ttgattttga tttgtttgtt gaaagcagcc cgcttcagaa 540
caaaatgttt gctta 555

<210> 9975
<211> 394
<212> DNA
<213> Glycine max

<400> 9975

gctatcaatc tttgagcagg agaacttcca atgcataatt ggatgcatca cacattagct 60
caaaagggga tgtccaatca ggtgcctgaa taataagggt ggtagtcacc gcacgcttga 120
ggcaatcaaa agcctctttg catcggtcat caaaataaaa ctccaagtcc ttttgcagca 180
gattggatag tggaagggcc actttgctaa aatccttgat aaagcgcta taaaaccctg 240
catgaccaag aaaagaacga acctctcgaa cgcaagaggg gtaaggcaat tgtgaaataa 300
catttatctt tgcagggtct acctctatgc cctactgga aatgatatgc ccctaaacta 360
taccttgctt taccatgaag tgacattttt taaa 394

<210> 9976
<211> 251
<212> DNA
<213> Glycine max

<400> 9976

agcttcaaca tcagaccact tcccagggtgc tgtgactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tggtgttgtg gatgatttct 120
ccagatttac ctgggtctac tttatcagag aaaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc atgagtgacc 240
atggcagaga g 251

<210> 9977
<211> 187
<212> DNA

<213> Glycine max

<400> 9977

tctgggtggga catcttgact tgcctttccaa tetgacattc accttttatt ctgcectctt 60
ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgctc 120
ttaagtgcaa atgtccaaat ctttgatgcc atattctgac ttcattctct ttggaggata 180
gacatgt 187

<210> 9978

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9978

agctggggcca ctggagaaaa ggtatcanat ttatattgat tcctttggga agttccatat 60
aaactttctc aaacaaatct ctattcaaaa aagcattatt aacatctaatt tggagaagac 120
actagtttct agcagcaaca acacagagca aaactctcac agtggttaagc ttggccattg 180
gagaaaatgt atcagagaaa ttgattccag cttattgagt ataccctttg gcaaccaatc 240
gagctttgta tctatccaca aagccatcca ttttatattt aaccttatac acccatctac 300
aaccataca atgcttatca ggtggtaagg gaacaagtgt ctagggg 347

<210> 9979

<211> 371

<212> DNA

<213> Glycine max

<400> 9979

agcttctctt ctgaaagtt ccaaattctt ccaccaggtc caccactctc cccataatca 60
gcaacctcca ccatggcacc atctcaagcg cccctccat tgcaccttca gagccctctc 120
cgacaagtac gacgacgtca tctccctatg gttcggctcc cgctctgtcg tctctctctc 180
ccaaacacta ctccaagaat gtttcaccaa aaacgacgtc gtccctacca accaccccc 240
ctttctctct ggaaaacaca tatcttctac actatgggtga gtactaacgc gttaagggga 300
ggaagattga tgggtggcaca agagaacgag gaggaaaagg tggaggcttc taagtatcag 360
cgcgaaaaac c 371

<210> 9980
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9980

tcgataatcc atttcgagcg tctcgatata ttacgggact cattctgaca accgagtga 60
 aagttattgt cgtttgaatt tatcagagct tcagtatgca atattgagcg tctcgatata 120
 ttacggcact caatcgaaca ttcaattaaa aaggtattgt gcgttggatt tgatcagagc 180
 ttcaacattc aatttcgagg gtttcgatat attacgggga ctctatccaa cacttccgta 240
 aaaaagttat ggtcgtttga atttgctcgc ggcttcaaca ttcaattttg agcgtttcga 300
 tatatgacgg gattcaatcg gacatctgag taaaaagtta ttggcggttg aatttgc tca 360
 gagcttcggc attcaagtc gagcctctcg atatattacg ggactcaatc agaccaccga 420
 gtaaaaagtt attgtcgttt ga 442

<210> 9981
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 9981

ttttactcgg atgtctgatt gagtcccgta atatatcgag acgctcgaac tggaataccg 60
 aagctctgag caaattcaaa cgacaataac tttttactct gatgtctgat tcagtcctcg 120
 aatatatcga aacgctcgat attgaaagtt gaagctgtga gcaacttcaa actacaataa 180
 ctttttactc ggatgtctga ttgagtccca taatatatcg aaacgctcaa tattgaatgt 240
 tgaagctttg agcaacttca aacaacaata actttttact cggat 285

<210> 9982
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 9982

ttacatccca tattgtgata aaatcttttg tattttttgt tatgttgagg ttatgaaatg 60
 atgattcaaa ctatgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg 120

tattgagatg agatgtgtgt attgagttgt gaactatgaa ctgtgcaatc acacaattgt 180
aagacccttt aaggacgacg agtattgtga tgggatccac tgtgggaacc cgacgagtta 240
aaatgatttt gaaagcaatt gagtaaattgt gtgtattgca tagttcatag ataaagtgt 300
tatgattcat gaggtgtgat aacatgttaa attgagatta taccattgtg attgggatta 360
agtgtatgtg ataaattgag tatgtatatg attgatatat atatatatgt gcattgaaat 420
gttgtgtgca ttgaattgtg aacctataat ttgttaatta cactatcata agt 473

<210> 9983
<211> 377
<212> DNA
<213> Glycine max

<400> 9983
tggtccttct ttgtataaga gtaagaggta gactttttat attatgactt tctctttaat 60
tggtgctcta cccttataca aagggtgaact agtcatata ggtctctata tggaaggagt 120
tcaaccatgt ctcttacttc catatttaaa ccacttagga acctagcaat gcttgggtctt 180
tccttcccc tatgtctagc tctcaaaaag agtaattcca tttgttgtct atattcttcc 240
acactcatac tcctttatct aagcctttgg agcttgtcca taagctccct ttcataagtaa 300
gagagaatgt gcctttttct aagggcactc ttaagattat tccaatacta tattggagga 360
tcccatgaa tccttct 377

<210> 9984
<211> 320
<212> DNA
<213> Glycine max

<400> 9984
agcttcagta agagatctga aacattgata gaattctcta taatgtcaat gcaggatcct 60
atagattttc ccattgataa ggctcagca acctccctc gagctgcttc atgcctccac 120
aagaccaaga ccgtgtttag caaaggccat ctaacatgag aatctgcctt cttctgtgtg 180
aagcctaggc ccttgagcaa taaatccaac tgtctacaat taagaaaatc acaattagta 240
atggcaatgc catgtgagct ttccaaatgt tttcactaag taagtaagta aaaagttgca 300
taaacctttc ttatgtcatc 320

<210> 9985
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 9985

```
agctttgaat gctctattca atggagttga caagaatata ttcagactga tcaacacttg 60
cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tgttggccac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgcatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagagaag atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
atttgacatg aaagtcact 319
```

<210> 9986
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9986

```
tcaagaaaaa gatggcctta gcaaattcct tattttcaga agggttttct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa attttcatcg 120
aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
taataacatc tgccctagga atggatgagt atttcagggt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420
ggataaatgc actaactcat gagtatgaat tatntanaat gaatgcnaat ganaatattc 480
agagtatgca aaagagattt acacatatag taaatcatct ag 522
```

<210> 9987
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9987

gtttttaagt tcttcctcat tactgtccta agcaaagttc ccaaagtcct attaacaact 60
ttcgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt agtgcceaac 120
ttgctccaca aagtcctcca aaaatgactt atgaacttag agtccttate actaacaatg 180
ctccttgga aaccatggaa tctcacaatc tcttgaaaa acaaatcagc caaatgggaa 240
gcatcatcaa cttttttaca tggaataaaa tgagccattt tagaaaacct atcaacaacc 300
acaaaaatgg aatctctacc attgcttggt tttggcagcc ccaaaacaaa atccatggat 360
aatcaatcc aaggatactc ccgaattggc aatggagtat acaatccatg 410

<210> 9988

<211> 217

<212> DNA

<213> Glycine max

<400> 9988

agctttcaca tggatgtgcg attcggttct taatatatcg agacgctcga aatcgaacaa 60
cggaagctct cgataaatc caatggatcat aacatttcac tcggatgtcc gattcgggga 120
cataatatat cgagacactc gaaattgaca accgaagctc tcatgatatt caatgctcta 180
acattcacac ggatgccgat tcgggacata actattt 217

<210> 9989

<211> 433

<212> DNA

<213> Glycine max

<400> 9989

taactaatca aatgggacaa ttggctacgc agttaaatTTT acaacagtc cagaattttg 60
accgattacc ttctcaatct gtccaaaatc ccaaaaatgt gagtgtcatt gcattgaggt 120
cgggaaagca gtgtcaagga cctcaaccag tagcatcttc ctcatccgca aatgaacctg 180
cccaacttca ctctactcca gaaaaagatg atgacaaaaa tttaacgagt aagttacct 240
acaatttata tgcagggtgaa tctttcactg gtaattctga ttacagaag cagcatatcc 300
ctttccatt cctccaaga gcaatttcca acaaaaaaat ggaagaggca gagaaagaga 360
tcttggaac atttagaaaa gtagaggtaa acatacctct gctggatgca ataaagcaaa 420

ttccaagata tgc

433

<210> 9990
<211> 376
<212> DNA
<213> Glycine max

<400> 9990

agcttctggg aaaaatcctc gagttttctt tatcaaaact cccagtgttt cattggaatt 60
agggtgtaacc tacagcattg acaaattatc tcataaatat atcacttcaa ggttcgttgt 120
ttgtttctca cgaaacttat tcaccattgg aaacaaagag gatttacctt tctccaacta 180
tgaccaagaa attcattcac agctatagca ttctgtccat acatcagtgg tgaggaccag 240
taaccccaca gaaaccattt gtgcacattc tctggcacat agaacaaaac tatcataata 300
aaggttcatt acagtaacca actttgaagt tacattacca ttttcttacc tcgggaaatc 360
acaaatccct ccaaaa 376

<210> 9991
<211> 295
<212> DNA
<213> Glycine max

<400> 9991

agcttctata gaaggttcgt tcctatcttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggaatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttctg actttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatg 295

<210> 9992
<211> 375
<212> DNA
<213> Glycine max

<400> 9992

cctcgaaggt aaactagatg ccttggttaa cctggtttcc tttttggtca tgaatcaaaa 60
atctgcacct gttgccagac tctatgggtt atgctcctct gccgaccacc acacagacct 120

ttgcccttct gtgcaacaat ctgaagcaat tgaacagcct gaagcttatg ctgcaaacaat 180
 ctacaataga cctcctcaac ttcagcagca aaatcagcca caacagaaca attatgacct 240
 ctccaacaac aggtacaacc cctggtggag gaatcatccc aaccttagat ggttgagtcc 300
 tttacaacag catcaacaac aacagcctta tttccagaat gttgctggcc caagaagacc 360
 atacgttctt tcacc 375

<210> 9993
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 9993
 agcttcaaga gatcatcccc tcgatttctt tattggtgat atctcaaaag gggtacaac 60
 tatacattct cttaaagatt tatgcaataa tatggccttt gtatctatga ttgaacctaa 120
 aaatataaaa gaagccatag tagatgataa ctggatcatt gccatgcaag aagaactaaa 180
 ccaatttgaa aaaaacaatg tgtggaaatt aatagaaaaa cctggaaatt atcctggcat 240
 agggacaaaa agggtttt 258

<210> 9994
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 9994
 gaattctcaa gcttcaaacc tgcaacaaaa gagttgagca ggtaaaaaag attcctcttt 60
 ttactcttag aggggacttt gagcgtctgt ttatggagga gtctgactca atctctgatt 120
 atttttctcg agtattggcc cgcctcaatc acacttaaaa gaaatgggtga acatgttctt 180
 gatgtgaagg tcattggaaa aatacttcga actttaaatc ctagttttga cttcattggt 240
 accaacattg aagaagacca tgatttatag accatgacta ttgagcaact catgggttct 300
 ttactagcgt actaagaaaa ac 322

<210> 9995
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9995

ccttaagctc tcacaccatt tgaaaaagac tcttataacc atttcaatta cactcttgtg 60
gagcatgtgc ctccactatt cccaccaac agtctaccat gacaccatca acatgtacta 120
atttcaacac cttcagctgc tttagtagat catccagatc aactagctca catttaatat 180
tgatcacccc taactataaa acaatatata cagaatgttc ctatataatg gtagattcat 240
atttaaagat aatttctctaa agaaaattag agtgtttcct ttcttatact aagaatatct 300
ctcaaactct aatttcattc gaggactatc attcactgat attgtgattc tcattagtc 360
aatta 365

<210> 9996

<211> 297

<212> DNA

<213> Glycine max

<400> 9996

agcttgaaat tgaacaacgg aagctcttta gaaactcaaa tggtcataaa ttgtcacacg 60
gaagtccgat tcaggcgcat aatacatcga gacgctcgaa attgaacaac gaatgctctc 120
gagaaattca aatgatcata acttttcaaa cggaagtctg attcaggtgc ataatatatc 180
gagacactct aaattaacaa cgaaagctat caagaaactc aaatgggtcat aaattgtcac 240
acggaagtcc tattcatgag cataataaat cgagacgctc gaaattgaac aacgaat 297

<210> 9997

<211> 501

<212> DNA

<213> Glycine max

<400> 9997

tgtaataat taaaaaacac caaacctaca aatacatttt cttttaaaaa ttaagaaaaa 60
taaacaacat ggtaatgata gaaatgtgca taaatcaatg tcgattaatg aatatatcaa 120
aaattaaaat aaatttaata aagaacatct aatacttttg tttctctata aaattgaaaa 180
tataatacaa ttagaatata ttaataaaaa ttaatgacac gtataataat taattgataa 240
tatctccttt taaaaaaaaat ctgaaagtag aataattcat caatttctac atcaattatt 300
tattatataa acaaatataa tgatcttgta tataaataga aaaaaaaaaa aatacaatga 360

aaaaaaatta cttgttacga ataaaaataa aattaaagaa acaagtctca cgaaaaaagt 420
gtatatgaat ggaatgtgac aacaaaatat gcaacaaatt gtattaagge ccagggtttt 480
ggaatgaaac aaaaaatgcc c 501

<210> 9998
<211> 285
<212> DNA
<213> Glycine max

<400> 9998

tatgcagaga atatccaatg tatatacctt catctgactt aacatcaaatt ttttctaagt 60
tatctttttcc attattcaat acaaaacatt tacaaccaa gatatgaaga tgtgagatgt 120
ttgggttttct gccattgaac aattcatatg gagttttctt taaaatgggt cttattaaag 180
ccctatttaa aatgtagcat gcagtgttaa cggcttcagc ccaaaagtat tttggaagag 240
gagtatcatg tttatgttca atgacacact tttgagaata aatga 285

<210> 9999
<211> 505
<212> DNA
<213> Glycine max

<400> 9999

agcttatctt tcagagtctg aaaagctttc tagcattcat catcaagctt gaagactgcc 60
tctttattca gcaagttgct caatggtttg acgattttag agaagtcctt gatgaacctc 120
tgatagaagc ctgcgtatct gaggaacctc ccgataccct tggcatttat tgggtggaggt 180
aaattctcaa tgacatcaat tttggctttg tccaccttaa tgccctcagc tgaaatcttg 240
tggcccaata ttattccttc ttggaccatg aaatgacact tctccttatt cagcaccaga 300
tttgcttcaa ctcatcttcg caatacgagc tctagattag tcaagaagta gtcaaaggaa 360
agcccaaaaa ttgagaaatt gtccatgaag acctttatgc acttttctac catgttctga 420
aaaaatagct agcacgtacc tcttaaaagg ttgttggtgca ttacataacc ccgatgacat 480
ctttttgtat gcaaagaccc caaag 505

<210> 10000
<211> 351
<212> DNA

<213> Glycine max

<400> 10000

ctgggttcga tggccccaat gacatctatc ccctacatth tataaggcca aggggaggac 60
ataacattca gaggatgtgg cggaacattg acattgtccg cgtatgcttg acatttatga 120
catttcctta catgggcgca gcaatcgctt tccatagtga gccagtaata accggcccta 180
aggatcttcc tggccatagc atgcccattg gcatgtgtcc cacatgaacc cccgtggatt 240
tcttcaatca tgcagattgc ctctttggca tctacgcac gtatgagggt catgttgggg 300
tttcgtttat acaggatggg accacttaca aagaaaccaa tatccaatct c 351

<210> 10001

<211> 361

<212> DNA

<213> Glycine max

<400> 10001

agcttgtgct attccaagtt cattaattat acctttaagc cagattgctt cgttcactcc 60
ttcaactaag gccatgtatt ctgcttcagt tgttgaaagg gcaacaactg attgttgatt 120
tgcttttcaa ctgattgctg taccaaacaa agtaaacaca tatccagtta aggactttct 180
tgtatctacg tttcttgga aatctgcac tacatagcct gtgattgctg cttcatgtgt 240
tgtcttcttg taccttaatc cagctttcaa agatccatth agatacctta gtgttcactt 300
cacaacttcc cagtgtatgc tgccaggatc tcccatgaat atgcttataa tacttacagc 360
a 361

<210> 10002

<211> 393

<212> DNA

<213> Glycine max

<400> 10002

ggcctaggat cttcttcac aatgggattt cttttgtctc ttggaagatg aatggcagcg 60
gaatggagaa tgaatagaga gaggagacgc cacttctagg agaagatgag ttataaaaa 120
gtcaccacc ataggaggctc atggataaga gcctggagga agaagatgaa tgaagggaga 180
gggagagaag agcacgaaat tttgtgctct aaaagagctc taaaatctga agtttaatat 240

tcaaatgatc aaagttgaaa aaaatgaaca cacatgacct ttatttatag cctaagtgtc 300
ccacaaaatt ggaggggaaat ttgaatttca attcaaattt cactagaatt tgaaattgaa 360
tgtgtggatc caaaatttca ctaagtatga tta 393

<210> 10003
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10003

gcgatcctta acgcactgcg gctgcagctt ntgaaactgg aatcatttat cctatctcca 60
tcagccaatg ggtgagtcce gtccaggtag tcccgaagaa gaccgacctc acagtgatca 120
aaaatgagaa ggaggagcta attcctactc ggggtgtagaa cagttggaga gtctgcattg 180
actataggag gctgaaccag gttaccaaaa aggaccattt tcccctgaca ttcatgacc 240
agatgcttga acgcttggca ggtaaatccc actactgttt ccttgatggt ttttctggtt 300
atatgcaaat tactattgct cctgaggatc aggaaaagac cacattcacc tgccccctcg 360
gcacttttgc ttataggagg atgcctttcg gcctgtgcaa tgccccctggt accttcacgc 420
ggtgcatgat tagtattttc aatgatattt tagaaaa 457

<210> 10004
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10004

agcttgccgc caccgagnnt ttttactatt ctcttgtnng gnggaacaag ctacaaaagg 60
agagaacaag aaatgaagag ccaatgggtg gtacatggat ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaagattga agaagatgag gtgatcagga tataaccaag ggcaaggacc atgaagcact 300
tgaagggccc atgaccagag gcagacttaa acaagcccaa cacttcatag agacaaggct 360
ggtcatttgt atagctgcca ttgatgatga ttgaaggcct aagtggagaa agatg 415

<210> 10005
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10005

```
gcttccaaga ttattntgat gatgccattt attatttaat atccattcaa acaagattaa 60
agaaatcaag aagattcaag agaagactta agatatgtaa gaacctcaag aaaagcatca 120
agataagtat aaaaagaatt ttcaaagaa aagattgaat aacacaattt gtccaaaaga 180
atTTTTcaaa gaaaaatctt ttaccagagt tttactctc ttgtaatcga ttaccataag 240
gcagtaatcg attaccagaa gccccaaaaca gttttataac tgttttacia agtagtaatc 300
gattaccaat gtttttgaac gttgaatttc aaatctcaag agtctcaact tgtgacaaaa 360
tattttcaaa acagtgtaat cgattacaca atatttgtaa tcgattacca gtgggtttttg 420
aatgttgat t 431
```

<210> 10006
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10006

```
agcttgaggc acaatggtag ccacaaagct gattattctg catagctgcn gcatgggaag 60
aagaggagaa gaccaagtgt tgtottaggt aactcaacct taatagtttc agtgcattga 120
ataactatTT tcaataactt ctgacacatt ttcaataacc ttaattatca atttgattct 180
caaattttta aaagggttcaa tttaatgctc aagtttttaa agatgaaatc aatttgggtc 240
tcaaattatt ttaaatatTT taatttggtc ttttaagttct taaaaatttg aaaatcatat 300
tgattcattt ttaaaaattt gaagggttcaa ttgattcatt ttttaagaatt tgaggactaa 360
attaaacctt ttaataattt gnggatcaaa ttaatttatt ttttaagaact tatgatcaaa 420
ttgaacc 427
```

<210> 10007
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10007

```
agcttgcatt cgactaacc atattacaat tctactagaa aatagtcttt taacatcggt 60
tgttttcgat tttcaacatc gatgtttaac cgatgttgaa accaccgacg ttaacattat 120
caatgctaac attggttttc aaaaaaccga tgtaatatata cactacacga catcggtttt 180
taagaaaaaa ccgatgtcgt atagtacaaa atgtatgaaa aacaaatact acaataaaca 240
acatcggttt tagtcaaaat cgatgttgaa ttgcgtattc tgaaacgctt actacatcgg 300
ttatgaacaa accgatgtag agagtacctt tacaacatcg attattggaa gaattgatgt 360
taaatgtgct tatgatatca gnttttagtac aaactgatgt agaaaa 406
```

<210> 10008

<211> 333

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10008

```
agtctcacga tagtcacgtg cttttctttt angttagccg aggctatacg agacatactt 60
gccacaaaag tcagggttaac gataactcac ctatgctctt tctttcatte tatatgtagc 120
aaagtcattg atccagtcac atttgatgag ttggaaaatg aggcgcgaat tatactgtgc 180
cagttggaga tgtatttccc ccttgctttc ttgacatca tgattcactt gattgttcat 240
ctggtcagag aagcagaaga agccattgaa tttgttcag aatacttaga gaaggctaaa 300
cctgttgggc tttctgagtc tcggcatgat gac 333
```

<210> 10009

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10009

```
ttcccttatt ttcaggctaa actttcctct gtctgagga cttatcgaga tacactgact 60
gctgatatga agagtgcctat taagactgct gttgctgagt tgcttcgggt tcttgcctct 120
cgagggttcag agtcagaatt cttttctgga gacagagctg tggatgcaga tgggtgagaat 180
```

ttegetagca taaatgatta tgtttgtctg tacgagaaaa tataactttta atatctttct 240
 tccatcgtgg ttttatgtga tctgttctac tttcaacttt ctaatgctaa atagtaactc 300
 aggtggaggt gcatcacttg ctancaagtt gcggagccta tcatctgact gttttgcgca 360
 tcttctga 368

<210> 10010
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10010

agcttggtgg ctagtccatg gctttaattt tccaatactt caaaaagatt gcccttaagc 60
 tacttgcgca accttggtca tcttcttggt gtgaaaggaa ttggagtaca tattcattta 120
 tccattcttt aaagagaaac aagatggcac cacatagagc tgaagattta gtatttggtc 180
 atagcaacct acgaattctc tcaaggaata ctccacaata tcatcaagag gaaactaaaa 240
 tgtgagatgt aactggagat gattttgggt cacttgatga ttgtggtatt cttgaaattg 300
 ctagtttgtc tttagatgaa ccagagttag aggggtgtctt tttcattgat gattgctagt 360
 ttgtgaaatt cgtgaagact tgaagttggt aattcatcat cttgctntat a 411

<210> 10011
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10011

agcttgactn tctgaggatg acatacttat gtaagtttct tgttgtccct ctccaccatg 60
 atagagtgtc caagcaaaac catcaattta ttattgacaa agttaatcaa aggttgagca 120
 attgaaaaac gtccaattta tccatagcat gtagagtaac ttttaacaaaa gttgttatcc 180
 aagccatgca tatctatgtg atacaaacta ctttattact gtcttcggtg tgtgaagaaa 240
 ttgaaaaaaa tgttgtaatt ttgtttgggg ccacacaaat acctctagca aaattcattg 300
 gcgaaattga gattctctat gcattccaaa aagaaatggc gaccttggtc tgaggaaaaac 360
 tagtgttatc aaccaagttt ttttaatgga ggtggggtgg aaattatgta tgcgacctaa 420

tga

423

<210> 10012
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10012

agctntntat tttctgtaga ttaagatgat tctgtggcca cctcatggac tctcttaaga 60
acaatagcat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
ttctagcct cagcatgagt catatcaaca agggctccac cattggcagc atcaatcata 180
ctctctcca ttttgctaag tccctcatag aaatattgaa gaaggagttg ctcaaaaatc 240
tagtggtgag ggaagcttgc acacaatttc ttgaatcttt cccaatactc atacaagctc 300
tctccactca gttgcctgat gcctaaaatg tcttttctga tggtagtggt cctagatgca 360
gggaaaaatt tctccaagaa cacccttcta aggtcatccc agctgaaaat ggacttggga 420
g 421

<210> 10013
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10013

gagteccgta atatategag acgctcgtaa ttgataacag aaactctgag catattcgaa 60
cgacaataac tcttgactca aatgtccgct tgtgtccctt agtatatcga gagctcgta 120
atagaaaagg gaagctctaa gaataatcaa acgacaataa cttntaactc ggatgttgga 180
tagagccccg taaaatatcg agacgctcga aattgaaaac agaagctctg agcaaattca 240
aacgacaata acttttgact cggatgtccg attgagtccc ataatatatc gagacgctcg 300
aaaatgaaaa tag 313

<210> 10014
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10014

```
cttgatgttg ttagtcgntc attggatgtc gagagtgtca tcttgttgga ttctgagaag 60
aagatcaata aaatcttggc cctctaattc agtcccatct tcttttgcaa ttntgttctt 120
ttcttgatgc tctctgatga tgttttccag gaccttgtca acctgcttgt gcaacttctt 180
caatctgggc atctttccag ttaggaaata taagaatgga attgaaggaa agacatcagc 240
aaggctgaat cctcccccg attctacgat tnttcggatc aaagacacaa caaactcctc 300
ttgctccttg tatatgccac cgaatgctac cctggaaata gaggcacata tcaatgagaa 360
aattctactg gtgagattga taggcgaacc agcagattcg cgaatggagt tgatanactn 420
tgctgcctcg tcttctctaa t 441
```

<210> 10015

<211> 413

<212> DNA

<213> Glycine max

<400> 10015

```
agcttttcga gaaaatgaaa taattatgta tgtgatctag agcaacttac ttatttgaag 60
ttgggtgatca aagagacatt caggggtacac ccacctactc ctttattgct ccctagagaa 120
tgctctcaac caaccatcat tgatggctat gaaatacctg ccaaaaactaa agtcatggta 180
aatgcatacg caatttgtaa ggattcccaa tattggattg atgctgatag gtttgtccct 240
gaaagggtcg agggtagttc tatcgatttc aaaggaata actttaacta tctccctttt 300
gygggaggac gaagaatatg ccagggcatg acattgggtt tagctagcat tatgcttcca 360
ctagctctac tactgtatca cttcaactgg gaactcccaa acaagatgaa acc 413
```

<210> 10016

<211> 303

<212> DNA

<213> Glycine max

<400> 10016

```
ctcagctgaa cccattacgt aatctctcgg gtgttgaggg tactttttat ggatttttca 60
cgtatttcgt gaaagactac tcttgctaac gaaatattat cgtgtagagc accctgttgt 120
```

tgtaacatct caatgatgtg ccaagcaata gcttcttctt cactgatctgg atccgatgca 180
 cgaataaggt gttctgctct gtcaaataac ataaaatgaa ttaagcagga tacatgctgt 240
 cgaccaccta tgatgcacgt ataactttcaa aatggcagca tatacatact ggacctgtgc 300
 tac 303

<210> 10017
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10017

agcttccaga ttggtatacc atgccactgt tgctcctgct aagctgnctn gaaagaaatg 60
 catcaacaac ttttcgtccg tagaatatgc ccccatcttt cggcaataca tccgaagatg 120
 tctttttgga catgtcgtcc ctttgtatct atcaaaatct ggtactttga acttgggagg 180
 gatgacgatg tcaggtacca aacacagatc cgccaaatct gagaacgggt agttgccgag 240
 gccttctagc gccctcagcc tctcttcaag taaatcaatc tttcccttat cttttgcaaa 300
 gggaacggat tctttaacgg gtgcgggtgg agacgggaca tggcggacta tgtttggttg 360
 gggcaattca tgggggggag gatccttgag gggcagtaga gggcctagac gggcatcttc 420
 ttca 424

<210> 10018
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10018

tactagnnga gcattagaac taacgaattc cgtaataact tccttagaaa ggactttctc 60
 ccgaacaaaa tgacaatcaa tctcaatatg ttagttctc tcatggaata ctagattaa 120
 agctatatgt agggttgcct gattatcaca acatagcttc gcttggtgag tatttccaaa 180
 cttcaattct taaagaaagt gtttaatcca natgagctca caaggggcta caaccatagc 240
 tctatattca gcctctgcac tagacgttgc aacaacattt tgctttcttac t 291

<210> 10019

<211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10019

 agctcgacac agnnccnacc ttataccaat tgtaaattngc aagcactaca aaaaaaagca 60
 gaatgacttg ccatgcaact tgggacatta gcacaatgat agtcattaac tagataagtg 120
 caaacactag tccagctaatt ttgtatggta tgtctgtgtc tacagtactt tgatccgttt 180
 atggctataa tcatcaacaa aagaatgggt gaaatcttat taaagctgat aataatcaaa 240
 agatagcagt aatctatcaa ataaagaaat aacagtgaaa ctgaccctac tcgtaatttg 300
 gcttgaaggt gtggtgtcaa aaaatgaaac atgtgccctt aanacaatcc ttcttagtat 360
 gaagatgggtg ccacaaaag atagaagagc aaatgttccc at 402

<210> 10020
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10020

 tgtgggttgg aagtccaagt agttatcgct tacattcnta ttttgattgc aaagnctgnt 60
 attgaggctt tgcctatcta ctctatgggtg acaaataaaa ttccatgggg aattatcaac 120
 aatattaaga aggatgagag atctttttatt tgggaagatc aagtgggaag aaagaaaatg 180
 catgctatag gttggaactt gatggctcgg cctaaagctt atggaggggt ggctatgtga 240
 aatctcaagc ataagaattc tgctagtttg atgaagttag ggtggtttct cagaaatgat 300
 gtgaacaact tatgggtgtca ggttcctaaa gggaaatatg cgagacaaga tttctctgca 360
 acatgttttg tagccaagcc acatgat 387

<210> 10021
 <211> 414
 <212> DNA
 <213> Glycine max

 <400> 10021

 ctgcagcttt ctttttggca catctattct ttttttgtgt agaattgaagc ttgacaggtt 60

caggtgcagg tgatactact ggtggaggca cttgaatttg gttgtcagac ctcaaggtga 120
 tggcactcac attttttggga ttctgcacag tttgtgaagg caatttgtca gaattttggg 180
 actgagcttg gttcatctga gtagccactg cctatctga tttgtcatac tttgaatgga 240
 ggctcttgtc tcttgctgaa attgcatatc ctggatgac atttgctca ctaactcttc 300
 taaggaaggt tgaggaggag cctcaactgc ttgttgcctt tgttgtgact actgctgttg 360
 ttgctgctgt attggaggag gaacatatgg cttgcttggg ccaacaacat tctg 414

<210> 10022
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 10022
 agcttatgct gcaaacattt ataatagact tctcttatta tcataaccaa caacagcaaa 60
 ataattatga cctttcaagc aatagataca atccagggtt gaggaatcat ccaaactctga 120
 gatggacaag tcctctataa caacaacagc atgtccctcc ttttcaaat gttgttggtc 180
 caaacaagcc atatgttcct cctccaatac agcagcagca acagcaacag tcacaacaaa 240
 gacaacaagc aactgaggct cctcctcaac cttccttaga agagttagtg aggcaaatga 300
 ccatccagaa tatgcaattt cagcaagaga caagagcctc cattaagagt ctgacaaatc 360
 agatggggca gatggctact cagatgaacc aagctcagtc ccaaaattct gacaaatttc 420
 cttcacaac t 431

<210> 10023
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 10023
 tgtctctcaa tcaagttcct gtgaaaagaa agtttcttat tgggtgtgata aaaatactaa 60
 gattatgttg aaagtgtgca tagaagaggt gaatgttga aataaacctc acaaccactt 120
 cactaagctt ggttgggcaa atattgcaga aaagttcaat aagacaacaa atttgagata 180
 tgaatataag caattcagaa ataggttgga ttctttgaaa aaggaatggc aattatgggc 240
 caagcttatt gggaaggaca caggtcttgg ctgggatggg gagaagaaaa ccattgcagc 300

tagtgatgaa tgggtgggaag ccaaaattca ggtatgtgtt attcaactga aaccattgca 360
gccttct 367

<210> 10024
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10024

tectcaagtc cctccaccag taggaaaatc cctntttgtc tcgttcttct ggaactctgt 60
ccaacctcca tatttggagt taatgattct agcccataaa tgctgctgac cagaagctaa 120
ggcccatatc catttgccca acaaagctac attgaattta gatatttatt taatccccag 180
accccttca gccttaggaa ggcaaataac ctccatttt acccacggaa ttttcttgta 240
atccttttct cccccctata aaaaattcct ttgcaatgct accaatctat gagctacctt 300
ttgaggaatc ttgaagaaag ataagaggta aattggtaaa gcattgagga cagaatttat 360
cagagagacc tttcctgcc tggatatatn tttttgtgcc cacttggata atttagattc 420
acat 424

<210> 10025
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10025

agctttctct catcattgct cattctnttt gttatttcaa cttgcacacg aaccaattga 60
tcacccctca tattgtcttt attcaggaag ggaacacctt tcttagccat aacaagtgtt 120
gtgttcggtt gtgtcccagc aggaattttc aaatcgaccg ttccatctac agtaggaacc 180
ttaattgtag tccccaggat tgcataata tacgaaacct tgcagggtgta taaaatgttg 240
gtgtcatcac gtttaaggat gggatctggg ataacctcaa taactacaaa gaggtcacca 300
ggggaaccac ctttccttcc agcattcccc tcattccgga cccttagacg actaccagag 360
tccacaccag ctggaacctt cagacttatc cgttttgatt tccttaccog 410

<210> 10026

<211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10026

```

tcttggaat cctcattcca gcgatcagtn tggtttttgc ttaagagctt gaacagcggc 50
tcacaaatgg cgatgagctg cgagatgaat ctggcaatat aattcaagcg tcccacgaaa 120
cctcggactt gcctctctgt acggagttct ggcattctca ggatagcctt cacctttntg 180
gggtctacct ctatcccttt ctggcttaca atgaaaccaa gtaatttccc tgatttgacc 240
ccaaaggtag acttagcggn gttcaacctt aattgatatt tottaagcct ttcgaacaac 300
ttccgcaggt tgacaagggt ttcttctctg gatttagatn tagcaattat gtcgtccacg 360
tagacctga tctcttgatg catcatatca tggaaaaaag ctaccatggc ccgttgataa 420
gttgccccga cattcttgag 440
  
```

<210> 10027
 <211> 418
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10027

```

gtcttcgctt ccatttgttt tatggagaaa cctgatgatg gtattaatgg aactggtag 50
cnttcacaac atcatgcaac caagattggc caaacatttg caacttccca ttccaccgat 120
taaaactttc cctggtatga ttggtgatgg aaatcattta atttgtaatg gtcaatggac 180
taacgtgect cttttagtc aaaaccattt gtttacttta ccattttatt tgttacctat 240
ccaggggagct gatttgggtat tgggtatgga acggttgaga actttggggc ccattatttc 300
tgactntgta gtcccttgca cgactcttac ttacaatgat tgctccatta ctttaaaagg 360
ggaactatta aatcctcaat ttaccacttt tcagtaactc tgccacctca tgcatact 418
  
```

<210> 10028
 <211> 421
 <212> DNA
 <213> Glycine max

 <400> 10028

agcttcttca ggtgttattc cttccaatct ctttatttgg ctctatttca agatgaagac 60
 aactgtagac actacctctc cccacaagta cttgggcaga ctcttgctt tcaacatgct 120
 cettaccata ttcattatgg ttctatTTTT tctttctgca gctccattat gttgaggtgt 180
 gtagggagga gtcacttcat gaattatgcc ttcttgatca caaaattctt gaaattctac 240
 agaaacatat tcaccaccac catctgttct caatatcttg atcaatgagc cactttgctt 300
 ttctgccata tttttgaact tctcaaagac ttcaaagaca tcactcttcc ttcttattag 360
 gtaaactcat actttcctag tcaattcatc aataaaggat atgaagtatc tgtttccacc 420
 c 421

<210> 10029
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10029

agcttatect gaccccgaga gttatatgtt tcttggtgga aaactcattt accttaccat 60
 tactagacct gatatctcct ttgctgtggg agtgggttagc caatttatgc agaatectca 120
 tttggaccat tggaatgctg ttatgcgtat tctgaggtat gttaagaaag ctctgggaca 180
 aggggttggtg tatgaagaca agggtagtac gcaactatca ggatattgtg atgctgattg 240
 ggctggatgt cccatggata ggagatctac atcacgttat tgtgttttca ttggaggaaa 300
 tctaactctt tggaaaagca agaaacaaac tgttgctgct cggtctagtg cagaagctga 360
 gtatcgatct atggctatgg ttacatgtga gctcatgtgg atc 403

<210> 10030
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 10030

agcttttaac tcggagggcc gtattaagct catattatat cgagacgctc gaaattaacc 60
 aacggaagct ctcgagaaat tcaaaggggc ataactttta actcggaggt ccgatccaag 120
 ctcataagat atcgagacgc tcgacattga acaacggaag ctctcgagaa atacaaatgc 180
 tcataactct tcacacggag gtctgaggca cgcgcataat atatctagac cctcaacatt 240

aaacagcggg agctctcgag aaattccaat gggcataact tttcactg

288

<210> 10031
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10031

tctcattgac atacagtcga tgctttttgc tgcgatctc catgtcctcc ccatttctgg 60
tgccatgta gtgttaagtg tccaatggct taaatcattg ggtccactac tcacagatta 120
taacatcttg tgcatgcagt tcttctatca gggacgcatg gtggaactga atggtgatca 180
ggatgacact ccgaacttca tcacactgtc acaattttgg cgaatttcgc agaccaagc 240
tttaggactg tactaccaca tcacacttct atcgaaggac tcgccaacc cacaggacct 300
tcaccagat attcagtcct tctgactaa gttcgcacac ttngttcacc aaccagcac 360
cttgatcatg aagtaggaca ccgatcatca cattcatctc ctccctcagt tcaactcggg 420
caacgtgaga ccgtatcact acccacactt ct 452

<210> 10032
<211> 428
<212> DNA
<213> Glycine max

<400> 10032

agcttctgct gcaaacatth ataatagact tctcatctc aaaaccaaca acaacagaat 60
aattatgacc tttcaagcaa aagatacaat ctagggttga ggaatcatcc aaatctgaga 120
tggaagaagc ctccacaaca acaacagcct gtccctcctt tccagaatgt tgttggttca 180
agcaagccat atgttctctc tccaatgcag caacagcaat aacagtcaca acaaagataa 240
caagcaactg aggttctctc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc 300
cagaatatgc aatttcagca gaagacaata gcctccattc agagtttgaa aaatcagatg 360
gggcagatgg ctactcaatt gaaccaagct cagtcccaa attttgacaa attgccttca 420
caaactgg 428

<210> 10033
<211> 327

<212> DNA
 <213> Glycine max

<400> 10033

gccctgatga gactaatgaa ggaggtatag atgttgaaat taagctaaag gagttagaac 60
 aaaagtcagc tgaagtcagt accgagtgga gtattgtccc tggacgtgga gggcattcca 120
 ctctgggtatt tatttctgtc taattgaatt tgtattctct ttaacaaccg aggaattttt 180
 ggctgcccc attaatgtt ttactttcta tgttgacttt gtgtaagctt cccttcagcc 240
 aggtggcact ggtagttttg aacatcgga tctgcaaggg ctgaatagat ctattaacgg 300
 ttctataaca acaagcaact tcttgaa 327

<210> 10034
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10034

aactaagctg ctaatgaata atgacatacc gcataagggt taggatagtc tcatagcatt 60
 gnggagtgac caagctgagg ccctgtgggc gacacacacg gcaatgatca cgcattgaaa 120
 gcttgccatg aaacacatta agccattgct cgtgtaatga gctggaaatg tcttgcttat 180
 gtctttctga aaaacgtaat gatataataa ttctcttaaa gaggaaaatt aaactagtta 240
 agatagattg atgcttaatt acttgaatta tgaaccatgc tgcccagaca aggggtgctaa 300
 gaattacgac caaagggcct aggaacatgt ttcctttgcc agaagagcta gttccttcca 360
 atttctcagc atatcttcag tgaatacttg 390

<210> 10035
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 10035

agcttctaga ggctgggctt atttatccta tctctgacag cgcttggata agcccagtac 60
 aggtggtacc aaagaaaggg ggaatgatag tcatctggaa cgagaagaac gacttgatac 120
 caacattgac tgtcactggg tggcgaatat acatcgactt cgactaccgc aagctaaatg 180

aagccataag gaatgatcat tttcctttac ccttcatgga tcagatgttg gagaggcttg 240
taggtcaggc atatattgct ttttggttg atattcaggt tataaccaga ttgctgtgga 300
ccccaagac caagagaaga cggccttcac atgccctttt ggtttgcta tagacagatg 360
tcatttgggt tatgtaatga atcagccaca ttccaaaggt gcatgct 407

<210> 10036
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10036

tatgctgcan acatctacaa cagacctctt caacctcagc tgcaatttca tccacaacag 60
anaaattatg acctctccag caacaggtac aatctcgggt ggaggaatca tcccaacctt 120
agatggtcga atccttcaca acagcaacaa caacaacaat agccttattt tcagaatgtt 180
gctggcccaa gcagaccata cgttctcca ctaatccagc agcaacaata gcaacagccc 240
cagaaacagc aaacagttga ggctccactg caaccttccc ctgaagaact tgtgaggcaa 300
atgactatac aaaacatgta gtttctacaa gagaccagag cctccattca aagcttaact 360
aatcagatgg gacaattggc tacacagtta aatcaacaac aatcctagaa ntttgacaga 420
ataccttc 428

<210> 10037
<211> 408
<212> DNA
<213> Glycine max

<400> 10037

agctttctcc actaagttgc ctgattcctg aaatgtttt tcttatggca atggctcctag 60
atgcagggaa gaatttctcc aagaacaccc tcttaagggtc atcccaattg aaaatagacc 120
tgtgagcaag gtagtatagc caatcttttg ccactccctc tagagaatga ggaaaaacct 180
ttagaaaaat atgatcttct tggacatcag ggggcttcat ggtggaacaa acaatatgga 240
actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttg ggcataaat 300
gtattagtcc aatgttgaga acatatggaa caccctcatc aggatattga ttacacaagc 360
tttcataagt gaaatcaggt gcagccatct ctctaagagt cctctcac 408

<210> 10038
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 10038

ccgcttctta gtttcagatg atgcagatgg gttttagct attttatgca ctctctaat 60
 gactatggca tcatttctgg cgctaaactg ctgggagttg gaggccatct tctcaattaa 120
 atttctggct tcagcaggag tcatgtctcc aagggtcca ccactggcag catctatcat 180
 acttctctcc atattactga gtccttcata aaaatattgg agaagaagct gttctgaaat 240
 ctgatggtgg gggcaactgg cacatagttt cttaaactct tcccagtact catacaggct 300
 ctctccactg agttgtctaa tacctgagat atccttcttg atggtgtgg tcttgaagc 360
 agggaaaaat ttttctaaga atactctctt aaggtcatcc cagctcgtga tggaccttgg 420
 agcaaggtaa tacagccagt cctttgccac tccctctaataaatgaggaa aagccttcag 480
 aaatatgtga tctcttggga catctggggg tttcatggtg gaacagacca tgtgaaattc 540
 tttccaatgt ttgtgcgggt c 561

<210> 10039
 <211> 585
 <212> DNA
 <213> Glycine max

<400> 10039

ccgctttagt gccttggatc ttcttcatca atggagtctt tctcttctta aagtttgata 60
 gcagcgtaat ggagaaggag aagggtgatt ggagatgcca cttcaaggag aagatgagtc 120
 tagaagaagc tcaccaccat aggaagccat ggataagagc ttgaaggtaa gagaagatga 180
 atggaggggag agggagaaaag ggagcatgaa atttagtgcc tctaaagaag tttgaacttt 240
 gaagtttaat tctcaaatga tcaaagttga aaaaatgcac acacatagcc tctatttata 300
 gcctaagtgt cacacaaaat tggagggaaa tttgaatttc tattcaaatt ttactagaat 360
 ttgaaattga aattgtggag ccaaaatttc actaattatg attagtgaat tttaactatg 420
 gttcagccca ctaatccaag atcaagttaa agattctcca ctaaattgtgc ttaggtggca 480
 tgaggcatgt aaagcatgaa ggacatgcac aaagtgtgac tatatgatgt gacaataggg 540

tgtagccagc aaatgctcac ctcccctcta aaatttaatt ggatt

585

<210> 10040
<211> 521
<212> DNA
<213> Glycine max

<400> 10040

tcaaatggac atcacttcgt cttagtcgcc atttgttttt cttcatcaaa tgggtcaaag 60
tagcttcata cgccaatgtg actaggagtg tggtgattag attcataaaa aaggagataa 120
tttgctgata tgggttgccc aggaaaatta tcaccgatta tgccaccaat ttgaacaaca 180
agatgatgaa ggaaatgtgt gaggatttca aaatccaaca ccataattcc acaccttaca 240
ggcctaagat gtatcgtgca gttgaggttg ctaataaaaa tatcaagaag atagtcacaga 300
agatgattgt gtcatactag gattggcatg agatgttccc ctttgcgttg aatggttatc 360
gaacttcgat gcgcacatct actgggcaac ccctttttct ttggtgtacg ggatggaggc 420
tatgctcccg tttgaggtgg aggttccttc tttgagaatc ctatccgagt cgggggttga 480
aagattcgaa tgggccaag ctcgcttttt gatcagttga a 521

<210> 10041
<211> 487
<212> DNA
<213> Glycine max

<400> 10041

ggaagccgaa cagcggacgc tctacgaaaa ctgcattttt tataacttat cacacggagg 60
tgcaattgag gcgcataata tgtccagacg ctcgaaatta aacaacgaat actctcgaga 120
aattcacatg gccgtaactt atcgcacgga agtccgattt aggcgcataa tacattgaga 180
cgctgaaaat tgaaccacga atgctctcaa gaaattcaaa tgggcatagc taatggaacg 240
ggaggccgat ttatgcgcat aatacattga gaagcttgaa attgaacatc ggaagctatc 300
aagaaactaa aatggttgga aactgttaca cagaagtgcg actcaagcgc ataatacatg 360
gagacgctcg aaattgaaca acgaattctc tcgagaaatt cgaatggtca taaaatttca 420
aacggaagtc cgatttatga gcataatata gcgagaacgt tgcaattgaa ccacgaatgc 480
tctcgag 487

<210> 10042
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 10042

```

ttaaatactc agcttataat tgcagcagcc aatccttgaa gtttctctgtt tcttctctgtg   60
aaataaaaga aaaaaagaaa ttaaacctaa ttttggtcag gtaaggaaaa gtaggacaaa  120
cttaccta at gcaaaatggc aaggtaaaag tttgccaagt ctcttcaatg tggtcatttc  180
atcatctgtt agtttaggat tcacaccata tggaagaaag cgaaagggct ttctataacc  240
atgaataaca gcaggcagaa gatcagcatc aacaggcaaa ggatcacctc cccaccaatc  300
agtaa atcga ggcccaagcc ctggttagcaa acagtctgta tcttctgcaa actctgcttc  360
atctggcagt tgaaatcgta ctttattgtg agtaccaaca cctattatta aagctgggtt  420
tgctgtttca ccatttgaat tttccacacc acatgccctt gaatttttt  469
  
```

<210> 10043
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 10043

```

tggtataaat gttgtcaaca taagggccct tgagttatct agtgaacttg tttgcaagtt   60
ggtcactaaa gccgacaaag ttggtgatga tttctctga aagcaccttc tctctcacia  120
agtgacagtc aatctctatg tgttttagtcc gttaatggaa gagcgaattt gaagcaatgt  180
gaatagcata ttgattgtca catattagtt tagtatcttg agtgtctcca aatttttagct  240
gttgaggaga gtttctaagc catgtaatct cacatccagc tgctgccata gcacggtaat  300
cagcttcagc actagatcta acaactgttt tttgcttctt gctcctacaa gggatcaagt  360
ttctccaat gagaacacaa tctcctaaag tggacttctt atttgatggg gatcctgccc  420
aatcagcact agaatagcaa acgatgacag catcacaatt tgtatgacaa catttcaatg  480
actatcacat gcaaatgtga tatctgggtc agtgacaatg  520
  
```

<210> 10044
 <211> 511

<212> DNA
 <213> Glycine max

<400> 10044

tatcaggtat aaactattta aaatcgtaag gaatttcttt ttataagatt gaactgaaaa 60
 taaataaatt ttggtggata aaaatcgtaa caaattgtga aatcgtaaac tcaatgaaca 120
 aagagggact aaaagtaact tttcgaaaat ttgagggact aataaaaaata attttttttg 180
 agaactaaaa aatacttacc gaaatttgaa agattaaaaa tatatttaag ccttaaataca 240
 atcttataaa atcagcttgt aagatgaaag atgtcccaca cttatatata ctaatttgac 300
 tatatctcta gacaatgtga tctcgaacac aacctctcat gtcaaagata ggatatctcg 360
 tgcgtgaagt ttgcaggatt ggaagtttat gggtagtgtg atagatgtcc ggtagagggt 420
 ggcacaatag gcctaacaat agattgctag gataaacttt gatatcatct taaaatgtgg 480
 gtttgaacct aactcaacct taaaaactag c 511

<210> 10045
 <211> 579
 <212> DNA
 <213> Glycine max

<400> 10045

tttacctctc gttttaactc tcagcatctc ctgactttca atgtcaaaga taaggcaatg 60
 ttgattttca aaaaggatac tttaaatect tttctatca actaacctac gctaagaaaa 120
 ttttgggtcaa tatcgagtac ataaagaaca tatgagattg tctttatacc tgaacttggt 180
 gagattacga tggctccttt tctttttgcc gaaatataac caccgttccc aattctgatt 240
 tttgagactt tagtaggctt caaatccttg aagagtgttt tgtcatatgt catgtggttt 300
 gtacaaccac tattaatcaa ccagcattct gaactactcc ttgctgaaaa agatgttgcc 360
 acaaacatth gatcttcttc atcttgctct atgacctgcg cattgacttc atgctgtaga 420
 aacttgcttt tgcacataac aacttcatgt acaaactgat tgcatttgct gcactttgca 480
 tctggacttc tccgcattt gaatggcggg ttaccattt tgccacaatg gtgacaaagt 540
 gggtaatttt ttcttatacc cttaccttta ctttgggca 579

<210> 10046
 <211> 601

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10046

tgagaatgtg cctatgaatt ggTTTTtagc tatgtttata aaccagccct gagagaatat 60
 ggcgagtga attccgaatg acagattcta ttagggcacc acaatgatca cggacatatt 120
 tattaattga accaggatga acatattcca gataaatata aaaacggtgc tcaacctgca 180
 agcacatatg ttaagggttt aatgctggta cagaataatg attattaatc ttgagtagct 240
 aattatgaag taggagattg cttactatct cactgccaaa atactgtacg atgtttgaat 300
 gtttttagatt nctaagaact ttaatttcct ggagaaaaag aataaactaa taagaaggat 360
 aaagaggata tacaaaataa catatcttca aaactattac ggaacgataa atatatatag 420
 gcaagcagcc caagccatta ttaataaaaa caacctcatc aagtattcaa ctacagtgga 480
 cactaaaacc aaatgannna cctcacttgc aaatatatga tatcggccaa ggccatacat 540
 atatatatat atatataggg aaattaatag actagttaat ctgagctgaa catcttaact 600
 g 601

<210> 10047
 <211> 613
 <212> DNA
 <213> Glycine max
 <400> 10047

cgccaatttt ggtctagatc taaatagaca attaatTTTT tttttatgat gttcctcaat 60
 ttttatcaaa tgctatTTTA gtggatgtga gttatgttgc tttttcgcag atttttaatt 120
 gttttttggg ggtaatttcc cctccaattc acccaaaaaa atgttaattg ttatggaact 180
 attaaatcaa tgcaaaaatg gcagaaaaat taatataaat agataaacta agaaagcata 240
 aatctaatat gaacaaaaaa atcaccaact aagtcgaaaa tgctactcaa aagtgtgatg 300
 tgaacatgtg aattgcaaca cctgaaatg gaataaaaca aagaacatct ttcagcgttg 360
 gatgttaaaa gaacaaaata ataagccaat aaatgttgaa ccatataatg ataataaaaa 420
 aatgtttatg tctatgcact aatagtgtaa aataatttta tattgttata caatcacaaa 480
 tcaccctttt gaattacttt aagataatta ctttaaaagt caacaaattt cccatgcatg 540

gtgtcttatg acatgatgtc tgggttaaac attttacatt ggcagtgtat aacccttttt 600
 cttataaaaa aaa 613

<210> 10048
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 10048

tccttaagaa gattcctaaa gaagctagag cttatcttca catacctctc taatagctaa 60
 gcttacctcc ttgagatgag aagctagagc ttagctacac acctcctata atagctaagc 120
 tcaccccatg acaaaaaaca tgaaaattca aaaaaaaagt ccttactaca aagactactc 180
 aatagaatgg ccaaaatata aggccagac gaaggaaaaa cctattctaa tatttacaaa 240
 gataagcggg ctcatactta gcccatgggc ttgaaatcta ccctaaggct catgagaacc 300
 ctcaggcctt cccttggatc tctagcccaa tctacttga gtcttctacc caatgccctt 360
 gtggggtagg attgcatcat tccctccacc ttggaaagga tttgacctta aatcccagg 420
 ttcttcatac tctgggctcc ttcctcaac acctgtaaaa ataacaaaaa catatgtatt 480
 agtg 484

<210> 10049
 <211> 619
 <212> DNA
 <213> Glycine max

<400> 10049

tcattgagaga gtcaaagatc aaattgagag gaatttttta aactatgcta aacaagccaa 60
 caaagggaga aagaagggtg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
 agaaagggtt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttacc tctttttgat gcagatggag aattcgattt 300
 gaggacaaat ctttctcatg agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
 ggatccactt gaaggacttg gaggacctat gacaagggt agagcaagga aagccaagga 420
 agctcttcaa caagtgtgtt ccatactatt tgaatacaag cccaagtttc aaggagaaaa 480

gtccaaggtt gtgagttgta tcatggccca aatggaggag gactaaatga caccactttg 540
 tttcaatttt agagtgggta gtttgtctaa ataatggccc aatccttgta aagttggctg 600
 acccaaaata tgttttggg 619

<210> 10050
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 10050

tctaagttct aataggggtga taaagagcag aattggttta tgtgaaccac aagtatagag 60
 ttactataat aactaaagc tccattaaaa actgaaccat gagtacataa tatactacat 120
 tgcaactgca ttaaaccatgt tattgttatt aaccaatttc aggacctaga ggaccctttc 180
 ccttatttgt gagaaaacta gcttaatatata atctagttct ataattaact aaggagttaa 240
 gagaagctat cccaaaaacg caatatcacc ttcttatgtt tgttcacaaa gttgaatttg 300
 gaattaacta agtgataagg aagggttcc acaaattcat tcatcctcta aggtgcttcg 360
 acttttttga attctctttt gtactacata atcaggacat agctttttcc catgatggat 420
 tctgcacatt tttcctttct gggggcttga agcctgcatt aattcttaat gggacttggt 480
 tttaaccaa tgggcatgtg cattcttact ctactgctat ctcatctatt tttgggtata 540
 ttacgtaac gtaaactcat ttaacttcaa aatttcattt catggtgggg aacat 595

<210> 10051
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 10051

ccttaagaag attcctaaag aagctagagc ttatcttttt tacctctcta atagctaagc 60
 ttacctcctt gagatgagaa gctagagctt agctacacac cttctataat agctaagctc 120
 accccatgac ataaaacatg aaaattcaaa aaaaaagtcc gttctacaaa gactactcga 180
 tagaatggcc aaaataccag gccagacga aggaaaaacc tattctaata tttaaaaga 240
 tgagcgggct catacttagc ccatgggctt gaaatctacc ctaaggctca tgagaacct 300
 caggccttcc cttggatctc tagcccaatc tacttggagt cttctacca atgccttgt 360

gggggaggat ggcacatc cctgcacctt ggaaaggatt tgaccctaaa tcccgagggt 420

cttcatactc tgggggtctt tctctacac ctgggaaaat aacaaaaa 468

<210> 10052
<211> 589
<212> DNA
<213> Glycine max

<400> 10052

tcatgcttaa ctatgtatgt caaaacttca ttactgttgt tcaagacata caagtgagct 60

tgtaacaaat cttctacact tggagtgatc atatgcagtc ctcttgaacc cttaccaccc 120

actctgtcat catgccgaga ctcaggaagc ccaacagggt taggcttctc taagtattct 180

gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttctgggtcaa 240

tatagattct ttgtatactc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300

cgtagataaa caggaccaca acatttgatt tctttgacca gatgcacaat caagtgaatc 360

atgatgtcaa agaaagcagg gggaaatata tctccaactg gcacagtata attgcggcct 420

cattttccaa ctcatcaaac ttgactggat caatgacttt gctacatata gcatggaaga 480

aaaagcacia gtgagttatc gctaacctga ctttgtttgg caagatgtct cgtatagcca 540

cggctaacaa ttgttgcatt agcacgtgac aatcgtgaga ctttaaccc 589

<210> 10053
<211> 463
<212> DNA
<213> Glycine max

<400> 10053

tataacaaat ctaaaacaca aagtttgaaa ccaatttggt gactaaaacc tcgcctatct 60

tttctctttt ttaaaagaac aagaaaaata cagaggaagg gaatccctgg aggaaaccag 120

gaagaacaaa aaactcagaa ttgaaagaac atgcaatggt cctcttgatt gcccatatt 180

tcaagcgtaa tatcgtttaa ctacatcgga gttcacgggc gagggcaatt cctcgccatc 240

catgtgggtg agtatcaaag cccccccaca aaaggctctt ttcaccatga aaggtecttc 300

ataatttggg gcccaattgc ctctgtttatc ttttaacagcg cgggaaatct tttttaacac 360

gatgtcccc ttgttgaact tgcgcgggcg tacctttttg ccgaatgcgg gctttatccc 420

ttcgttgaga caaacgccc tggttatgg cagacaaaac gct

463

<210> 10054
<211> 563
<212> DNA
<213> Glycine max

<400> 10054

tttctttgta cacctacatt cctatacacg ataaactttc tttgtataca catgtatgaa 60
aaactctttc tctttatata aacacgggtc atataacaac tctattcctg ttcaaagact 120
tctttttcgt ttttcaacat acaaatcgtg gtttatacaa aaacttcttt atatacactc 180
atgggtcaca cacaagaatt ttttttcaca cattatttac acacacacaa aatctttcca 240
tacacttttt acatataaaa aaatattttc ttttctttat atatagacac gacatttggt 300
cacaaccctt ctttcttttt ctcttttttt ttattcttgg cgttatcatg attttttggt 360
cyttatattt ttaggaacgac gttcctaaag gaaaactcta caaggtttaa gaatttcaac 420
aaacattatc aacaataaca aagtaagcat taacgcaaca ggccaaacaa aatgtatgca 480
caaaacaaaa gacaatcgaa aaaacaaaac aaacgttagt cccttcagtc atagaaacaa 540
gataacattc caatgataaa tga 563

<210> 10055
<211> 517
<212> DNA
<213> Glycine max

<400> 10055

tcaagaaaaa gatggcctca gcaaattcct tatttctata aggaaattct atcaacagac 60
ctccaatctt taatggagag gggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata ccaccacag 180
tagaaagagt ttcaatagat ggtagtccat caagtgaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300
taataacatc tgccctagga atgggtgaat atttcagagt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaaagatcta 420
ggataaatgc actaactcat gagtatgaat tatttacaat gaatgcaat gaaaatattc 480

agagtatgca aaagagattt acacatatag taaatca

517

<210> 10056
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10056

actctataga acactcgcgc gttgagaaaa atcaaacgac aataactttt gactttttgt 60
ctgattgact cccgtaatat atcgagaccc tcgtaattga aaacagaagc tctgagcaaa 120
ttcaaacgac aataactttt tactcggatg tccgattgag tcccgtata tatggagacg 180
ctcgtaattg aaaacagaag ctctgagnaa attcaaacga caataacttt ttactcggat 240
gtccgattga gtcccgtaat atatcgagac gctcgtaatt gaaaatagaa gctctgagca 300
aattcaaacg acaataactt ttaactcggg tgtccgattg tgtctcgtag tatatcgaga 360
cgctcgtaat tgaaaacaga agctctgagc aaattcaaac gacaataact ttttactcgg 420
atgtccgatt gagtcccgtg atatattgag acgtcgttaa ttgaaaacag aagctctgag 480
caaattcaaa cgacaataac tttttactcg gatgtccgat tgagtccgt 530

<210> 10057
<211> 518
<212> DNA
<213> Glycine max

<400> 10057

cccttcacaa agagaatcat cttgatatga taactttttt tgtcctctga caaggctatg 60
cttttgaagc tttgagatta accttaagct agcatgacca agcttcttat gtcaaacca 120
ataatgctct ttgactgaaa gtaggcata aacttttgga ctagacagat caccaagttt 180
aatcttatac agatttcctt gtgtcttagc ctagaagagt gaagagtttt ccttggtctc 240
aatgatacac atatccttgt taaaagtgac attgtatcca ctatcacata atttacttat 300
gctaagcaaa ttatgcttca accctttaac aagcaaaaca ttatctatag aaagataagg 360
aggaatacat actttacctt caccaattat cagaccttcc tgattccgtt cgaaagtgac 420
caccctacta aaaatagggc ttagggattg aacatagact tttcacttat catgtgtcgt 480
gagcaacccc tattcatgca ccacgactga tgtttctt 518

<210> 10058
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 10058

```
tcatgatgat gaaccatgca attttgatga tgccaattgc tctaactagt tgattcaaga 60
ttgattcaag acttcagaat acaatccaag attcaagatt caagagaaga aatcaagaac 120
caacaagtca agacttcata taggataagt attaaaatat tttttcaaaa accaaatagc 180
acagttttgt tttaaaaaag aattttctca aattttctaa gttaccagag tgattactct 240
ctggtaatcg attactagtt ggcagtaaag ttgggttttc aaaatgtttt caaatggttt 300
acaacgttcc aaaatgattt tcaaatagtg taatcaatta cactatatta gtaatcgatt 360
acaagtgaat ctgaacgttg gaattcaaat ccaattgtga agaatacaca cttttcataa 420
aatgaagtgt gtaattgatt acacctttgt ggtaatcgat taccagtga cagttttgaa 480
gaagaagtga agagttatta ctcttaacat 510
```

<210> 10059
 <211> 633
 <212> DNA
 <213> Glycine max

<400> 10059

```
ccgcttcatt atgaatcaaa aatgattcaa aggtgttttg atgataacaa tgatgacaac 60
aaaagataat gacaaagggtg atgaacaaaa agctcaaaaag atcaaagaac aactcaagtg 120
aatcaaagaa catctcaagt gaatcaagaa caagtcaaga gttcaagaat caagaagaat 180
tcaagactca agaagaaagc ctacaatcaa gattcaagat tcaagatctc aagaatcaag 240
atcaagattc aagactcaag attcaagaat gaataaaaaga ctcaatcaag ataagtatta 300
aaaagttttt tcaaaacttt gaatagcaca tgagtttttg ataaaacctt taccaaagag 360
tttttactct ctggtaatcg attaccatat tgttgtaatc gattaccact agcaaatga 420
gtttgaaaaa gttttcaaac tgaatttaca atgttccaaa tattttcaaa ctgtaatcga 480
ttacaatgtt ttggaatcg aataccagtg tccttgaacg ttgaaattca aatttaaatg 540
tgaagaatca cattgtttca ctcaaaagct ttgtgtaatc gattacactt attttgtaat 600
```

cgattaccag tgtttgtttc tgaaaaatct aaa

633

<210> 10060
<211> 468
<212> DNA
<213> Glycine max

<400> 10060

caccttccat caagtgcgga cctcaagga aatccaccat tttttccatt tttcggagcc 60
ccataaatgt tattgcctag cgtattcat gtgtcctcca ccttcgagtt tggagctatg 120
tttcatgatt gcctaagtgc ggaccctcaa ggaaatcctc cattctcccc ctttttcgga 180
gccccatgaa tgttattgcc taacgctgtt catgtgtcct ccaccttcga gtttggagct 240
atgtttcatg attgcctaaa agcggaccct caaggcaatc ctccattctc cccctttttc 300
ggagcccat taatgttatt gctaccgct gtccatgtgt cctccacctt cgagtttgga 360
gctattgtta catgattgcc taagtgtgga cctcaaggc aatcctacat tctccccctt 420
ttttggagcc ccattaatgt gattgcctac cgttgtgcat tggtcctc 468

<210> 10061
<211> 301
<212> DNA
<213> Glycine max

<400> 10061

tgagctgtcg agaagcatag gccactactt gtccccgtcg aataagcact ccacccaaac 60
gcatcttata tgcatcacag tacaccacaa aggggttact tgggttaggt aacactaaaa 120
ctgggtgcagt ggccaacctt tccttaaggg tacggaaact attctcacat tgggcatccc 180
acacaaaaac tagaccctta cgagtaagct tagtcaaagg tgaggctagc gttaaaaagc 240
cctctatgaa tatacggtag attcctgcta taccacagaa actccttata tcaaactg 300
a 301

<210> 10062
<211> 364
<212> DNA
<213> Glycine max

<400> 10062

ggtattgaca agcgtgctat tgagagggtt gagaattaag ctgctgagat gaacattatg 60
 tcattcaaat acgcctgggt gcttgacaag cttaaggctg agcgtgagag aggaattacc 120
 attgatattg cattatggaa gtttgagacc accaaatact actgcactgt tattgatgct 180
 ccacgacatc gtgatttcat caagaacatg attactggaa cttcccatgc tgattgtgct 240
 gtccttatca ttgattccac aactgggtgt tttgaagctg gtatttccaa agatggacag 300
 actcgcgagc atgctctact ttgccttacc cttggtgtca agcaaatact ctggtgctgt 360
 aaca 364

<210> 10063
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10063

agcttgtag gagctgtcgg tgaataaagg tcctcaccat ccatttcaat tttctccaac 60
 tcctaccac atatggtaaa aataaacatt aacttctatc aaagacacat tgaaaattta 120
 acataaaaat ccacaataaa aataagcctt cagacanttg gccagtacct ccggatacca 180
 gctcggcgtt cttctttagg gagtggaaat agtacaccag agatggatgt aactttgtca 240
 aagaaatcaa actctctttt aaatatgtca agtgcctttg gattaaaacc atcaattata 300
 cgctgcctta ccgctggcag caggtctaga aatgaaccat tctgaaataa aaatacagag 360
 ataaaatcta taaagtatga tgtaaaaaaa a 391

<210> 10064
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 10064

tgtaccttgg aaacacatca aatattcact tattagctac attggattgg gcttctacca 60
 attcaattaa atttattttc aaccacacac atcaaatatt cacttagtgc atgtgaaatt 120
 acaaaactac ccctaataca aaaaactagt ctagggtccc taaaatacaa gggctgaaaa 180
 atcctatatt tctaaagtac tctacctaca ttatggagcc ctaaatacaa ggcccaaaaa 240

taatgaaacc ttaatctaata atttacaag ataagtgggc tcatacttag cccatggggcc 300
 caaaatctat cctaagactc ataagaaccc t 331

<210> 10065
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 10065

agcttttgaa tatttcaagc aagagtttgg agtgcacatt gaagttacaa agatgtggag 60
 agctatgaaa gaagcaaagc aactagtggg agggaaatgag aggaaacaat atgccaaagt 120
 atttgattat gcacatgaat tattaaggag caatcctgga tcaacagtta agatcaacac 180
 agtgccaagt ccagaaggtc caccacaatt gcagaggcta tatatttgct ttgctggctg 240
 taagaagggg tttgttgctg gatgtagacc attcataggt ctagatggat gttttctaaa 300
 gagtgcattt ggaggaaact ttctctctga tgttgggctt gatggaaata accacatctt 360
 tgttattgct tatggt 376

<210> 10066
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 10066

aactttttac tcggatgtcc gatagattcc catcatatat caacacgctc gaaattgaat 60
 gttgaagctc tgagccaatt caaacgacaa taacttttta ctggatgtc cgactgagtc 120
 tcgtaatata tcgacacgct cgaaattgaa tgtcgaagct ctaagcctat tcaaaccaca 180
 attacctttt actctgatgt ctgattgagt gacgttatat atcgggacgc tcgaaattga 240
 atgttgaacc tctgagccaa ctcaaacgac aataactttt tactcggatg tctgattgag 300
 tcccgtaata tatcgagacg ctcgaaattg aatgt 335

<210> 10067
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 10067

agcttaaaca ttcaatttcg agagtctcgt tatattacgg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgtatg aattggctta aagcataaac attcaacttt gagcctctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtc attgccgttt gaatttgctc 180
 agaggctcaa aattcaattt cgagcgtctc gatattattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcttt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300
 cgatatatta cggcactgaa tccgacatcc gaggtaaaag ttattgtcgt ttgaaattgc 360
 tctgatcttc aacattatat 380

<210> 10068
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 10068
 gacgctgtaa tgattatagc atgcacacac acacatatat atgtatatga attgttttaa 60
 taaattagga attaatagtt caaataataa aattaaattg aaggaaatta atatattaag 120
 attcaatgat aaatactttt aatgcatttt tagtttaatc atttattaac tctttttaat 180
 ggaaaataat atagttcaat ttaatatatg catgttttgt gccatgtaaa tattaatatt 240
 gtgtgatgtg tatatgattc atgaggtgtg ataacatgtt gctttgggat tataacattg 300
 cgattgaaat tgaatgcatg tgataaattg agtatgtgtt gaattgtaag atacatgtgt 360
 attgagatgt tgtatgcatt gagtagtgag ttatgaattg tgcaatcaca caattgttag 420
 accatttaac atgtagcttt gggg 444

<210> 10069
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 10069
 agcttgatcat cgattacaca catactgtaa tcgattacca gtgtagattt tcagaaaata 60
 ttctcaattg tcacatcttt tcatttggct ctcgaaaggc tatcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt ttccagaaca aaaaaaggtc ttatcctctt 180
 aaaaagaaaa atcggttttat cctcttacia attccttggc caaaacactt gtgattcaat 240

aaggaattat ttgagtgtc aaattgttca atctatctct ttcaagagag attacttctt 300
 ttcttcttct ttattctgaa aaagaattaa gagaccgagg gtctcttggt gtaaagaaat 360
 ctgaacacaa a 371

<210> 10070
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10070

tcaagtttta agttctttct caaactgtcc taagctaagt tcccaaagtc ctattaacaa 60
 cttccgtttg cccatcggtt tgtgggtgac aagcggttga aaataacaat ttagtgccca 120
 aattgctcca caaagtcctc caaaaatgac ttacgaactt agagtcctta tcactaacaa 180
 tgctccttgg caaaccatgg agtctcacia tctccttgaa aaacaaatca gccacatggg 240
 aagcatcatc aactttttta catggaataa aatgagccat tntagaaaac ctatcaacaa 300
 ccacaaaaat ggaatctcta ccattgcttg tttttggcag ccctcaaaca aaatccatgg 360
 attaaataat t 371

<210> 10071
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 10071

agcttgaaat tgaacaacgg aagctctcga gaaaatcgag tggtcataaa ttttcacaca 60
 gatgtccgat tcgggggaaat aatataatga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcact cggatgttcg atccgggggac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt ataatggctg taactcttca 240
 cgcgaaatgt cgattcgggg acataactca tctagacgct cgaaattgaa caacggatgc 300
 tctcgaaaaa tttgaatggt cataagtttt cacacgggtg ttcgattcgg gaacataa 358

<210> 10072
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10072

atttgagaag ctatgcctt atctatccac acccctctat taactaaaat aactttctta 60
aaaataatta cggatgaaaa taacgcagca aatattcaaa catcgacaca taattactag 120
tagcatataa atatatatat atcaggggtgt tacgactctt ccagccttat agaaatttcg 180
tctctgaaat ttaccttact cacacaagga tgggtgagct tctcacatct gactatgtaa 240
ttcccatgtg gcatcttcta ctgatgcacc tcccagatc accttgacca acagaatctc 300
tttccctctt aggtgttatg ttgcctatc ctcat 336

<210> 10073

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10073

ggccgccacg gagtntccg actatgctct tgtgtggtgt aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgacgaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaacca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagttgc aagagtttgt tgaaatggat gattcgcttc acaaaacaat 360
ccaagtggag caacaat 377

<210> 10074

<211> 394

<212> DNA

<213> Glycine max

<400> 10074

agcttcggaa ttccatttcg agcaactcga tatattacgg gactcaatca gacatttaag 60
tgacaagtta ttgtcgtttg aatttgctca gagcttcaga attccatttc gagaaactcg 120
atatattaca ggactaaatc agacatccga gtaaaaaatt attgtcgttt gaatttgctc 180
agagcttcgg aattccattt cgagcaactc gatattattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcggt tgaatttgct cagagcttcg gtattccatt tcgagaaact 300
 cgatatatta caggactaaa tcagacatcc gagtaaaaaa ttattgtcgt ttgaatttgc 360
 tcagagcttc ggaattccat ttcgagaaac tcga 394

<210> 10075
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 10075

ctacgtgata aaacctaataa gtaaataaaa ataaaattat ttttttataa aaaatctcat 60
 acattatatt attataatgt tttatggaaa tcattatgtt tttttttgca aaataaatat 120
 tgaacacaaa ttaagaaaat gaatgaaaaa atgtaaatgt aataacacat actcaaacga 180
 ttaaaagtcg atacaatatt ataccatgt taatttgaag atgtcataaa agatttaatt 240
 gaaattgaga atattttaa atattaaatcc atatttactg actttcattg cttaaaataa 300
 ataaattagt gtgagttaaa tttggaatga aaaaaaaagg tggacatcct ttaactagca 360
 cggatactct cactcaacaa ctatctttta tataatatat gatctg 406

<210> 10076
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 10076

agcttcacca tcagatggat gacatatgat ggtcagggtc ctttgattct cactatgcc 60
 tctcatgtga gatgtggtgg ccattgaaga gtacaatctt tgaagtcttg gaattagagg 120
 aaaatatcac attttttaaat caaaattttt ttttcaatcc ctttcattgt gatagtcag 180
 tactgaccct tttgatagac aaagcaattt gttatgcttt tatctgggtt ttttttccag 240
 tagcatgtca cctacatatt gagataccgt tctgacatat tataattaga tttgaagctt 300
 atagcttcca aagtatctaa caattctttt ttattctcac atccttccca tagaggtgtt 360
 tgagaaacat caagcatata aaagaattct tgagc 395

<210> 10077
 <211> 391
 <212> DNA

<213> Glycine max

<400> 10077

agcttccaag aatcaagatc aagatttaag aatcaagaaa agaattaatc aagatttgta 60
tgaaaaagtt ttttcaaaaa ctgactagca catggatttt tctcaaaaca tgtttaccac 120
agagttttta ctctctagta atcgattacc agattgttgt aatcgattac cagtagcaaa 180
atggttttca aaaagctttc aactgaattt acaacgttcc aattgatttc aaaatgttgt 240
aatcaattac aatgttttgg taatcgatta ccagtgtgct tgaacgttga aattcaaatt 300
caaagtgtga gagtcacatt ctttcacaaa aaagctttgt gtaatcaatt acactgattt 360
ggtaatcgat taccagtgat agtttctaaa c 391

<210> 10078

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10078

tccttaagaa gattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60
gctcacctca ttgagatgag aagctagagc ttagctacac accccctata ataactaagc 120
tcacccccat ggcaaaatac atgaaaatac aaaaaaaaaa tccttactac aaagactact 180
caaaatacct cgaaatacaa tgctaaaacc ctatactact agaatggcca aaatacaagg 240
cccaaacaaa ggaaaaacct attctaatat ttacaaagat aagcgggctc atacttagcc 300
catggactca aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360
gytccaatct acttggagtc ttttatccaa tgccttgcg gggtaggatn gcatcattcc 420
ctccaccttg gaaaggattt gacctcaaat ctt 453

<210> 10079

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10079

ctgagccaat tcaaacgaca ataactttnt actccgatgt ctgattgagt ccttccatat 60

atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgttaata tatcgagacc ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacgtt ttactcggat gtctgattga gttccgcaat 240
atatcgagac cctcgaaatt gaatgttgaa tctctgagcc aattcaaacg acaataactt 300
tttactcggg tgtctgattg agtcccgtaa tatatcgaga cgnctcgaaa tgaatgttga 360
agctctgagc caattcaaac gacaataact atttactcgg atgtctgatt gagtcccgtg 420
atatatc 427

<210> 10080
<211> 376
<212> DNA
<213> Glycine max

<400> 10080
agcttcaact ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacattcgag 60
taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagcgtctcg 120
atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatcggctc 180
acagcttcaa cattcaattt cgagggtctc gatatattgc gggactcaat cagacatccg 240
agtaaaaagt tattgtcgat agaattggct cagagcttca acattcaatt tctagcgtct 300
tgatatatga cgggactcaa tcacacattc gagtcaaagc atattgtctg ttgaatcggc 360
tcagagcttc aacatt 376

<210> 10081
<211> 333
<212> DNA
<213> Glycine max

<400> 10081
tgctgaccca tggcagcttc tactatctcc cacactctgt gtggtggtcc atactcgtat 60
cgtcttgagc gtctcaagag cactgggac cccatttcta ccaactacaa aacctgaaaa 120
aactatatta tctacacagc aaagtacact tctctatatt tgcttatagg gtgatgttcc 180
taaggactga aagaacttga ctgagatgta ctaactgac atctaggctc ctactatata 240
ctaaaatata accaaaatgt atttctacca atctacctat gaaattcctt aagacatgac 300

ccataagcct cataaaggag cttggtgcat tac

333

<210> 10082
<211> 382
<212> DNA
<213> Glycine max

<400> 10082

agcttgacaa gccggcttgt ttaactaaca atattaataa caacaacaac aacaacaaca 60
acaacaacaa caacaataat aataataata ataataataa taataataat aactttattt 120
tatcaaatct tatcttattc agattttatt ctatctagat tttattttat cccaatttta 180
ttccatctag attttatttc gtctcgattt tatttcatcc aatcttatct tatcttgtgc 240
agattttatt ttatttcgtt tatgatcttg gacttaaaat agattagtga gctttgggac 300
tgatgaccta tataacaaca ccaaggtttt agtttaggga gtattttttc ggagaggaga 360
ataattctag gatttttagaa tt 382

<210> 10083
<211> 423
<212> DNA
<213> Glycine max

<400> 10083

tgatcgtctc gatataattat gcgcctgaat cgcacatccg agttaaaagt tatgaccttt 60
tgaatatctc gagagcttcc attgttcaat ttcgagcgtc tcaatatatt atgcgcctga 120
atctgacctc cgtgtggaaa gttatgacca tttgaatttc tcgacagctt ccattgttca 180
atttcgagcg tctcgatata ttatgcgcct gaatcggacc tccgagtga aagttatgac 240
catttgaatt tctcgagagc ttccgttggt caatttcgag cgcttcgata tattatgcgc 300
ctgaatcgga catccgagtg aaaagttatg accattttta ttgctccaga gctttcattg 360
ttcaattttg aacgtctcga tatattatgc gctgaatct gaccttcgag tggaaagtta 420
tga 423

<210> 10084
<211> 370
<212> DNA
<213> Glycine max

<400> 10084

agcttttgag caattcaaatt ggtcataact ttctactcgg aggtccgatt caggcgcata 60
atatatcgag acgcttgaaa ttgaacaacg gaagctctcg agaaattcaa atggtcatta 120
cttttcactc ggaggtccga ttcaggcgca taatatatcg agacgcttga aattgaacat 180
acggaagctc tcgagaaatt caaatgggtca taactttcaa ctcgagggtc cgattcaggc 240
gcataatata tcgagacgca cgaaattgaa caacggaagc tctcgagaaa ttcaaattgg 300
cattactttt ctaccgagg tcagattcat gcgcataata tattgagacg ctctgtattta 360
acaacggagc 370

<210> 10085

<211> 391

<212> DNA

<213> Glycine max

<400> 10085

agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaacag 60
acctcccatc tttaattggag tgggttacca ctactggaaa acctgcatgc aaatctttat 120
agagacaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180
aatagccgga agtgcaacaa tagaaaaacc tagagtagat tggactaagg aagaaagaag 240
attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaataaatga 300
atactttagg gtttcaaatt gtaaaagtgc taaagatatg tgggatacac tacaagtaac 360
acatgaaggc acaacagatg ttaatagatc t 391

<210> 10086

<211> 456

<212> DNA

<213> Glycine max

<400> 10086

gctaataaat tcacttatgg attgaaacaa gcctcttgct aatagtatct aaaatttcat 60
gagatcatca attcatttgg tttttaaaag aacatcataa atcaatgtat ataccaaaag 120
gttagtgagg gtaagatttg ttttcttgta ttatacgtga atgatatttt gcttgcaact 180
aattataagg atttgctata tgagggtgaaa cactttcctt catagaactt tgatatgaag 240

gatatgggag agacatctta tgtcaatggc attaagatcc ataggaaaag atctcgagac 300
 attttggggtt tatctaagag acctatatta acaaagtttt aaagagattt aacatgaaaa 360
 attgttcacc aagtgtagct cccattgtga aaggtgacaa actcgatttg aattagtgcc 420
 cgaaaaatga ttgagtgaga acacatgaag aatatg 456

<210> 10087
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10087

tctacattca atttcgagct tttcgatata ttacgggact caatcggaca tccgagtaaa 60
 aagttattgt agtttgaatt tgctcagggc ttcggtattc catttcgagc gtctcgatat 120
 attacgggac tcaatcggac atccgagtaa aaagttattg ttgtttgaat ttgctcagag 180
 cttctgtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtagattgaa tttgctcagg gcttcggaat tccatttcga gcgtctcgat 300
 gtatgacggg actcaatcag acatccgagt aaaaagttat tgctgtaga atttgctcag 360
 agnctcaaca ttcaatttcg agcttttcga tatattacgg gactcaatca gacatccgag 420
 taaa 424

<210> 10088
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 10088

agcttgtatg ttacagtgac aacgattggg ctagagataa agatgatcgg aaaagtacca 60
 atggatttgt gtttttcata gggaacacaa cgttcacttg gatgtcaaaa aagttttcaa 120
 tagtcactct ttcgacttgt gaggcagaat acatagcagc tgcttcatgt gttttccatg 180
 tagtttggct caggaatttg ttaaaagagt tgggcatgtc acaagaagag acaaccaaga 240
 tttttgtgga taataagtca accattgctc tagcaaagaa tccagtgttc catgatcgaa 300
 gcaaacatat tgatacatgt taccactaca taaggaagtg catagcaaga aaggatgtac 360
 atatagaata tgtgaagtct c 381

<210> 10089
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 10089

agctttgagg ggatttttgg gcttaactgg ttactacagg aaatttgtga aagattatgg 60
 gaagattgct aaaccactca gtgatttggt gaagaaagga gcttttaatt ggagtgcagc 120
 ggcaactgag tcctttaatg cacttaagga cgcattaacc cactctccag ttttgacttt 180
 accaaacttt aaggaacctt tttccattga atgtgatgct tgcggaacag ggatcggagc 240
 tgtgttaaca caagggaaac gtccagttgc atatttcagc aaagggttag ctacttcagt 300
 ttttaagtaaa tctgtgtggg agaatgtgga tgtgattcag aatctatttc ctgaaattaa 360
 ccttgagga 369

<210> 10090
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10090

gagcaattcc cttatgttat caaacataaa aagggaaaag gtaatattgt agccgatgct 60
 ctttctcggc gtcatgcatt actttctatg cttgaaacaa aattgattgg tcttgaatgt 120
 ttgaaaagca tgtatgaaaa tgatgaaact tttggagaaa tttttaaaaa ttgtgaaaaa 180
 ttttcagaaa atgggttctt tagacatgaa ggctttcttt tcaaagaaaa caaattgtgt 240
 gtgcctaaat gttctactag aaattttctt gtttgtgaag cacatgaagg aggtttaatg 300
 gggcattttg gggtcacaaa gactctagaa acattacaag aacattttta ttggcctcat 360
 atgaaaaaggt atgtgtagaa attttgtgaa cattgcattg tat 403

<210> 10091
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 10091

agcttgtcaa acattggtaa agcatctata attcatttta ataaatctta ctaaacttaa 60

ctgagttttg tgccaacaac tataagaagg aatgcaactt aaaaaagaaa aatgcagttc 120
aatcattctt tatccttggtg tttcttttcg tccctcctaa aaacaccata tcacaaatga 180
tgcaatctta ccccaacaagg gcattggata gaagactcca agaagattgg gccagagatg 240
caagagaagg ccctagggtt ctcatgagcc ttagggtaga tttcagaccc atggacaaaag 300
tatgagcccg cttatctttg tacatattag attaaggttt cattatTTTT ttttccttgt 360
atttagggct ccataatata ggtaagggtac cctag 395

<210> 10092
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10092

ttttactcgg atgtctgatt ggggtccgta anataacgaa acgctcgaaa ttgaatgttt 60
aagctttgag ccaattctaa cgacaataac tttttactcg gatgtccgat tgagtctagt 120
aatatatcga cacgctcgaa attgaatgtt gaagctctaa gcctattcaa acaacaataa 180
cgttttactc ggatgtccga ttcagtgcg taatatatcg ggacgctcga aattgaatgt 240
tgaacctctg agccaactca aacgacaata acgttttact cggatgtctg attgagtcct 300
gaaatatatc gagacgctcg aaattgaatg ttgaagctct gagccaattc aaacgacaat 360
atacttttac tcggatgtct gattgagtc cgtgatatat cgag 404

<210> 10093
<211> 370
<212> DNA
<213> Glycine max
<400> 10093

agcttaaaca ttcaaatttg agcgtttcgt tatattacag gtctcaatca gacatccgag 60
taaaaagtta ttgttctttg aattggctca gaggttcaac attcaatttt gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgatgttc gaattggctc 180
acagcttcaa cattcaattt cgagcgtctt aatatattac gggactcaat cagacatccg 240
agtcaaaagc tattgtcgtt tgaattggct cacagggctca acattcattt tccagcgcct 300

cgatatagta cgggactcaa tccaacttcc gattaaaaag gtattgtcgt ttgattggct 360
caagctttat 370

<210> 10094
<211> 398
<212> DNA
<213> Glycine max

<400> 10094

agcttctaat gatgttgcta tgttacatga tgtaaaaaag tgcctcteta ataaatttga 60
aatgaaagat atgggtgagg catcctatgt gataggaata gaaatattcc atgataggtc 120
acaaggattg ttgggattgt ctcaaaaagg atataccaat aaagtactaa agagattcaa 180
attggaaaag tgctctacaa ggattgttcc aattcagaaa ggggacaagt ttagtcaaat 240
gcaatgtcct agaaatgatt tggaacgaaa gaaaatggag tctatccctt atccatcagt 300
ggttgggagt ttgatgtttg cccaaacgtg tacacgaccg aatattagtt ttgttgtagg 360
aatgttgggt cgatatcaaa gcaatcctgg aatagaac 398

<210> 10095
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10095

tcattcttag aatgaagtat gtagcgatac atatatcgtg aataatcatc tataaagggt 60
atgaagtatt tcggactatt ngcatccatg tctggacaac atatgtctgt atgtatgatt 120
tctaataaat tagaactcct ctgtgcaccc tcttttagact tgttagtttg cttaccetta 180
atgcaatcta cacaagtctt aaaatcagcg aaatccaaag tactaagtac tccttcattt 240
actaatcgct tgattctttc aatagagata tgcctaate tcgggtgcca caacatagag 300
gattctttat tcacaatata tcgttttaac ccaacagaaa cgtgcataga agtagcgtca 360
tttttgcaat taatcgaata aagaccatca accaattgac cacaaccaat tatttcagat 420
ttatt 425

<210> 10096
<211> 248

<212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10096

tgcgccctgaa tcagacttcc gtttcttatg ttatgaccat atgaatttct ccactgtatt 60
 cggggtgaca agtnatgacc atatgaatth ctgatagca ttcattgttc aatttcgagc 120
 gtctcgatat attatgcgcc tgaatcggac ttccgtgtga caagttatga ccatttgaat 180
 ttctcgaggg ctcccgctga tcaatttcaa gtttctcgat atattatgcg cctgaatcag 240
 acttccgt 248

<210> 10097
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 10097

catgcaagct tcttgatata ttatgtgact gattcggact tccgttttat aaagttataa 60
 ccatttgaat ctctcgacag ctttggttgt tcaatttcca gtgtctcgat atattatgca 120
 tcttaatcgg acttccgcgt gacaagttat gaccattttt gttgctcgag agcttccgat 180
 gatcaatata cagcttctcc atatattatg tgcctgaatc ggacctccgt ttgaaaagct 240
 atgactatth gaatttctcg agagcttagg ttgttcaatt tcgagcgtct cgatatatta 300
 cgcacttgaa tccgaaatta gtgtgacaag ttatgaccat ttgattttct cgagaacatt 360
 cggttgtaat ttcca 375

<210> 10098
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10098

ntctcaagag acttctttga gaagctagat ctttatctat ccacaccctt ctattaacta 60
 aattaatttc cttaaaaata attacagatg aaaataacgc aacaaataat caaacatcaa 120
 acataattac taataatata tagatatata tatatatcag ggtgttacia ttggaattga 180
 tcttgatta gtgggctgaa ccataactaa aattcactaa tcataattac tgaaattttg 240

gctccaaagt ttggctccac aaattcaatt tcaaattcaa gtaaaatttg aattgaaatt 300
 caaatttccc tctaattttg tgtgacactt aggctataaa tagaggtcac atgtgcgcat 360
 ttttttaact ttgatcattt gaatattaaa cttcagattt caaagctctt ntagagcaca 420
 aaa 423

<210> 10099
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 10099

gacccctaatt gcaccgtggc atgcacgctt gaccagtaat tactcgtatg gtttgcacgt 60
 tgaatccagg ttgttcctgg tgtggagatg atggtacagc cggcgaacca caagctgaaa 120
 tttcttttgg cgaggccgcc atggaaaagc ggagcgtttg gaatgattta cctgatctca 180
 gagaattatc ggaaaatgct gccgaaaaca ctaatgccat gctgatatta atttgaatga 240
 agaatgtata ggggcgtgtg aagcaaccgt cgaattcatc ttggcttaac agtgaacgtg 300
 ctattaatgt taactgatcc gatagggcac ggctcagatt gcagtatctg ctataattcc 360
 tctagcaaac aaatgcccac cttgcccctc agttattcag actgatctgc atccaaagcc 420
 tttgtgaaaa t 431

<210> 10100
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10100

gctggcttaa agatgtctct gattaattaa ttattttaaa actctagtga aatactaact 60
 aaaaaaagaa acttataaaa tttcatataa atattgtaca aatccaaaaa taattgataa 120
 acaaaatcat attgaattca agtcgttaaa gcacaaagta taataaaaga aaataaaaag 180
 agcataatat taaaaaatgt atggattagg tcttcagcct caaagcttac aaatctattt 240
 taagtctaag ccataaaacg aaataaaata aaatctagac aaaataagat aagattggat 300
 gaaataaaat ctggatggaa taaaatctgg ataaaaataa atctagatgg aataagatat 360

agataagata agatttgata aaataaagtt attattatta ttagttaaac agaccgactt 420
atncaagctc aacaaacttt ttttatag 448

<210> 10101
<211> 371
<212> DNA
<213> Glycine max

<400> 10101

agcttgctct gtgccaagct ctggtcttgg gccttcctca tttcaattct ccctttgtca 60
ttaaaactga tgcttcgggg attggtatgg gggccatcct ctcacagcat catcactctc 120
ttgccttttt tcagcaaacc attttgctcg aaactgctcc gcgcttctac ttacgtctga 180
gagattgcta caatcattgt cgcgggtaag aaatggaggg agtacctcct agggcatcat 240
tttatgattc tcacagatca tcagagctta aaagagctca tggctcaagc tgtgcaaact 300
ccagatcaac aaattttattt ggcaggctta atgggctttg attatacgat tcaatatcga 360
gccggaaaag c 371

<210> 10102
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10102

cttctcgctg accaaggaga attattntct gaccaagta gatattggag ttaggcagat 60
ttctattctg atccaattgt aacaagacca ggcacttttt gttgtaagtg tggtcattag 120
aatgcagatg tcagaattct gatatttctt agaggatcac tagtaaaagg atggattagt 180
gtttgagaac agagggcata aggagattat tacctatact taataggaga tccacatatg 240
gatattgtgt tctattagga gtgaatctct ttcattggaaa acctcatgaa gcaaaatgcg 300
gttgcaaagt ccagagctga agcagaatat caagctatga ctctcactac ttgtgaacta 360
atatgtctaa aaacaaataa atgactcatt aaagagctaa aattntgtga ggtangaact 420
gagactaatn tgtgataatc atgcagctct tcatattaca tctaaccag ttttcgatga 480
gcataccaca catata 496

<210> 10103
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10103

agctntgacc attcgaattc gagagtgttc ncttgttcaa gntttatcgt ctcgatattn 60
 tatgtccacg aatcagacat ccgagtgaat tggtatgacc attcgaattt gtcgagagct 120
 tccgttgttc aatttcgagc gtctcgatat attatgtccc cgaatcgaac atctgagtga 180
 aatgttatta ccattcgaat ttctcgatag cttctgttgt tcaatttcga gcgtctagat 240
 gagttatgta cccgattcga acatccgagt gaaatgttat gaccattcga atttctcgag 300
 agcttccggt gttcaatttc gagcgcttag attattaatg tccccaaatc ggacatct 358

<210> 10104
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10104

agcttgaaag tgggggtccc cttagttca tctgtgttt ggattgaact gcctattgtc 60
 atcttgccag atagaacatg aagaatgatt actccaaatg tgtatatgtc acgtttctca 120
 gtaaagcatc ttgtggtgat gtattcagga gctaagtatc ccatggcaac actaactttt 180
 agagctaaga aaacaacttc atctgcaaga agcttaggta ttctagcatc tatgatcaat 240
 aggttaaact atgctctagg agaacatttt ccaactgaaat attctggtgg actattgtag 300
 gtttactttc ttatttgata tgaagatata caatgcctgg tcataaatga ataacaaata 360
 ccaaacaaaa aaaagaagca gatattatct acaactatta atatttt 407

<210> 10105
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10105

agctgagggt ttaatttcac gatngtcacg tgctcatgca acaattgtta gtcgtggcta 60

tacgagacat cttgccaaac aaagtaaggt tagcgataac tcgcctgtgc tttttttttc 120
catgctatat gtagcaaagt cattgacccg gtcaagtttg atgagttgga aaatgaggcc 180
gcaattatac tgtgccagtt ggagatgtat tttccccctg ctttctttga catcatgatt 240
cacttgattg tgcacacgt cagagaaatc aaatgttgtg gtccctgttta tctacagtgg 300
atgtaccoga ttgagtgata catgaagatc ttaaaagggt atacaaagaa tctatatcgt 360

<210> 10106
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10106

ntgatgncaa cattggagat gttaatgaaa caacgagatt atgttctcca tgagaggttg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggacaaaaa ggtgaagctt gccaccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgatata 360
tggaacgaga tgaaaaagat catgaggaag cggatatgtc cggctagtta ctcaagggac 420
tcgaaattca agctccaaaa actaacccaa ggcaacaagg gggttgagga gtatt 475

<210> 10107
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10107

gacactatga aactcaagct tgaggatttc aaacgacttt aactntntac tcggnattct 60
gatctagtcc cgtaatatat cgagacgctc taaattgaat gttgaagctc tgaccaaatt 120
cagacgacga taaattctta ctggatgtc tgattgagtc ctgtaatata tcgagactct 180
cgaaattgaa tgctgaagct ctacgcaa atcaaacgaca ataactttat actcggatgt 240
ctgaatgagt cccgtaatac atcgagacgc tcgaaattta atgtggaagc tctcagcata 300

ttcaaacgac aattacattc tactcctatg tetgatagaa tcccgtata catcgagacg 360
 ctcaaaattg aatgttgaag ctctcagcaa attacaacga caatagc 407

<210> 10108
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10108

agcttcaaca ttcaatttcg aggttcntcg ttatattacg ggactcaanc ggacatccga 60
 gagaaaagnn ataggcatnc gcacccgctc agagcatcaa cattcaattt cgagcgtgct 120
 gatataattac gggactcaat ccgacatccg agtaaaaagt tattgtcgtt tgaatttgct 180
 cagagcttcc gcattcaatt tcaagcgtct cgatatatta caggactcaa tcagacatcc 240
 gagtaaaaag ttatggctgt ttgaatttgc tcagagcatc aagattctat ttcgagcgtg 300
 tcgatataatt atgggactca atcagacatc cgagtaaaaa gttattgtcg cttgaatatg 360
 ctgagagctt ccgtattcaa attcgagcgt ctgatatat tac 403

<210> 10109
 <211> 335
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10109

ctgcagctng aatgttgctc tttctatngt tgtactgcat gttctgcata gtcatttgcc 60
 tcacaagttc ttcgagggaa ggttggtggag gggcctcaac tgttggttgt ttctgggggt 120
 gttgctgttg ttggattggt ggaggaatgt atggctctgt tgggccagca gcattttgga 180
 aggaaggagc angctgctgt tgttggtgct gagggctgga ccatctgagg ttaggggtgat 240
 tctccatcc agggttatat ctggtgctgg agaggcata attgttctgc tgtgggtgat 300
 tttgctgctg aggttgagga ggtctattgt aaata 335

<210> 10110
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10110

agcttgtaat cgattacaca catactgtat tcgattttct gaagagttnt ttcagaaaac 60
attctcaaca gtcacatctt tttgtgtggt tcttgaatga gtatcatagg cctataaata 120
tgtgacttga gacacgaatt tgataagagt ttttcagaac aaaaagggtct tatcctctta 180
taaagagaaa tcgtttttatc ctcttacaaa ttccttggcc aaattacttg tgattcaata 240
aggaattatt tgaatgctca aattgttcaa tctatctctt tcaagagaga tttcttcttc 300
tcttcttctt cattctgaaa agggattaag agaccgaggg tctcttggtg tgaaagaatt 360
ctaaacacaa aggaagggtt gtctgttttt gtgtgntag aaactcgaaa aggaattaca 420
agatagtgga actctcaagc gggttgcttg ggact 455

<210> 10111
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10111

agcttccatt ttcaatttcg agcttctcgt tatattacag ttctgaatag gacanccgag 60
ttaaaaactta ttgtcatttc attttactca gagcttccgt tttcaattac gaacgtcacg 120
ataccgtacg ggactcaatc ggatatccga gtgaaaagtt attgtcgttt gaatttactc 180
agagcttctg ttttcaatta cgaacgactt gatatcctac gggacacaat cggacatccg 240
agtcaaaaat tattgtcgtt tgacttttct tagagcttcc gttttcaatt ttaagcgtct 300
cgatatatta gagagctcaa tcggacatct gagttaaag ttattgtcgt ttgacttttc 360
ttagagggtc cgttttgaan tcgagggtct cgatataata cagggtcaa tccgacattc 420
cagntaaaag 430

<210> 10112
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10112

tactcaagct tactacactt ctgcgagtgt gattgagagc tgtcataatt cttattgatg 60

cagntatgtg aatgtacagt tagcaaagcc gatacattct atcgtttggt tagttgagtg 120
 cattgatgtc tatatcctac catagctctg ctttttatga cattcattat gatcatttga 180
 taggtttctt atgagattaa caaaagatga cagtggagtc aacttagcta atggcgaagc 240
 agaacgtgaa tgtgcataat ggaaatgggc agaccctgaa gaagttattg agcagagtggt 300
 gtggaaaaaa ggagatttga aataggtgta attttntcc atttgaaaga ctaataatga 360
 atgatgactg attacaggca gtggactaca cgagaccaag ctatgaagaa gttatatgaa 420
 ccttcaagcc ttactttcaa gggagt 446

<210> 10113
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10113

tcagggcttg aaactatgaa ggaacagcct cttttgtgtt ataccagcat ctctaggaaa 60
 cattncttcc ctaataaata tcagctttgg caccaactnt ctcaactggct ggattcccag 120
 tgaattgggc aggcctccatg atttgattga gcttgatctc agtctcaacc atctcaatgg 180
 gactgttcca cctgctatat acaacttate ttcccttgtc aactttgcct tagcttcaaa 240
 ctctttctgg ggtgagattc ctcanagtgt tggtcacaaa ctccaaaac tcatagtttt 300
 ctgtatctgc ttcaattatt tcacaggtag aattccaggg tctttgcata acctcaccaa 360
 cattcangtc attcgatagg ctccaacca tctggaaaga tcagtgccac ctggttttgg 420
 gaaatctcca tttctttgca cgtataacat tcngtataac tggat 465

<210> 10114
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10114

agcttatgga atctagatta acatcngtgt aggcccaagt ttgagaatgt tctacaatta 60
 gggctgctca aaaaaactaa ttnttaaaaa ataactataa ctagttataa aattataacc 120
 agttntatag ttatttttat ttcaaataac tggtttttat ttaaaaaaat acatatagtt 180

ataaaaactat aactagttnt atagaaatga ttatttcaaa taacttattt ttattcattc 240
 atagccagtt atgtaattga ttttagatat aaccggttat aactagaatt ggaatgttgt 300
 gaagtagaga agaaggcact agaagcagag ttccaaccag tacttgatcg aatatatgat 360
 aaagagactg ctngcaagga gacactangt aaaacacagg atgagtctgc tagaatatct 420
 canactatca gaaat 455

<210> 10115
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10115

gcaattcttc tagacttaga gtgataacat gcagttctct tgatccctta tcttttactt 60
 tctcgttatg ccgagactcc gaaaccacaa caagttttat cttttccatg tactcgaaac 120
 aaaactcagt agcttctttc gcaatgtact tttcaacaat aaatgcttca ggacggtgta 180
 gattctttgt ataccctttt aagatcttca tgtatcgctc aaccgggtac atccaccgca 240
 aataaatggg accacaacat ttaatttccc tcaccaaagtg aacaattaag tgaaccgtga 300
 tgtcgaaaaa tgaaggagga aaatacatct ccaactgaca caagataata gtagtctcat 360
 tttccagctc atttaactta agaggattaa tgactntgct acatatggca ttgaagaaaa 420
 aacacaggca agttacggca tgcttgactn tcttagaaaa aatgtctctt atcgccacaa 480
 ctaacaat 488

<210> 10116
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10116

gaaaacggaa cctctcaaga cactcanatg gngttatact tgtgacacgg atgtctgatt 240
 acggcgcata aaatatcgag acgctcttaa ttgaacaacg aatgctctcg agaaattcat 120
 atggtcataa cttgtcacac aagagtcgga ttcatgcgca tagtatatcg agaagattga 180
 tattgaacaa cggaagctct cgagacactc aaatgggtcat aacttattac acggaggtac 240

gactgatgca cataataaat cgagacgctc gaatatgaat aacgaatagt ctccagacat 300
 tcatatggtc ataaatgttg aaacggaagt tcgattcacg cgaatcatat atcgagaagc 360
 ttgaaattga ataacggaag ctctcgagac atgagatggc ataacttgca cacggaagtc 420
 cattcaggcg catctatata aagagctcga aataacaatg aatgctctca gaattctat 479

<210> 10117
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 10117

tccatcacat ggagtcctct atttaggtgc aacaatttgt tggctcttgt gtgtcattgg 60
 acttgatggc ctctggatga cgatatggag actaaagtag tcttggctga taggcattga 120
 gtcttcgaca aagagtgcag acgaccatgt tggctctctat gatgtagctc cattggagct 180
 tgtaggcat ggatcttctt catcaatgga gtccattgct tcttgaattt taatggcagt 240
 ggaatggaga agaagaagag ttgagaggag acgcctcttc atgaagaaga tgagtctaga 300
 agaacctcac caccatagga agccatggat aagagcttga aagtatgaga agatgactgg 360
 agggagaggg agagaagggg cacgaaattt tgtgcctcaa atgatgtcta aactttgaag 420
 tgtaattctc acatgatcaa agattgaaaa atg 453

<210> 10118
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10118

agcttctntg agaaaacttc cttgagaagt tatagcttag ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
 ctacacacac ctctctaata gctaagttca ccccatgac caaaaaacat gaaaatacaa 180
 aaaaaaaagt ccttactaca aagactattc aaaatgcctt gaaatacaag gctaaaaccc 240
 tatactacta gaatggccaa aatacaaggc ccagacgaag gaaaaaccta ttctaataat 300
 taaaaagata agcgggctca tacttagccc atgggctcga aatctaccct aaggctcatg 360

agaaccctag gcccttcctt tggatctcta gcccaatcta cttggagtct tcta 414

<210> 10119
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10119

agcttgaaat tgaacaacgg aagctctctt taatttcttg tggcataaan nntcacacag 60
 atgtccgatt cggggaaata atatatcgag acgcacgaaa ttgaacaacg gaagctctcg 120
 agaaattnga atggtcataa catttcaactc ggatgttcga tccggggaca taatttatcg 180
 agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggctcg aacttttcac 240
 gcgaatgttc gattcgggga cataactcat ctagacgctc gaaattgaac aacggaagct 300
 ctcgagaaat tcgaatgggc ataagtttct acacggatgt ccgattcggg aacataatat 360
 atccagacga tcgaaattga acaacg 386

<210> 10120
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10120

tacagatctg ttntaaatct aatcccataa ataaaataat atctatataa gataagatct 60
 agatgaaata atatctagat gagatcaaata ctaaataata tctagataag ataaaatntg 120
 gtagaataaa atagtctgct ctcttcaagt ccaagcccaa ttgcttataa ttctcttgaa 180
 attaaattaa aaacacaaaa ttaatctagt aggcctaaat gataaaaactg cataattaat 240
 ttgataatta agactaatca gtaattaaaa tgggtgcaaaa aggggttaaga aataggagaa 300
 aataatggca catcagttag acatgaaaaa agatcatgga actcacaag caagaagggg 360
 gagaattagt tctaaatcaa atcaaaccaaaa aaatacagag tttgagaaac tttctatcca 420
 aggatcgat cacannattg tgctaanaag ttctntaaac ttcagcaaata tgatcaagaa 480
 tacaatg 487

<210> 10121

<211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10121

gcttcacgtc taactatgta tggcaaaact ccattactgt tggtatgaca tacaagtgag 60
 tttgtaacaa atcttctaca cttggagtga tcacctgcag tctcttgaa cccttaccac 120
 ccactctgtc atcatgccaa gactcaggaa gcccaacagc tttagccttc tctaagtatt 180
 ctgaacaaaa ttcaatggct tcttctgcaa tgtacctctc aacaatagat gcttctggac 240
 gatatagatt ctttgtatac ccttttaaga tcttcacgta tgcctcaacc ggggtacatcc 300
 accgtagata aacaggacca caacatttga tttctctgac cagatgcaca accaagtga 360
 tcatgatgtc aaagaaagca gggggaaaat acatctccaa ctagcacagt ataattgagg 420
 cctcatttcc caactcatca aacatgactg gattaatgac tntgctacat atagaatgga 480
 agaaaaagca caggcgagtt atc 503

<210> 10122
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 10122

tatagaaact aagctgtcac aaaccaacaa ttatattgat tcttcccggt tgcttttctc 60
 attctctatc tcccttagct ataatacatg ttgatatttg gggtcctgt tcaaccactt 120
 ctatacatgg tcataaatat tttcttacta ttgttgatga tcataactaga tttgtttggg 180
 ttataccaat gtcttctata gctgaaactc aatctctttt acaagggttt attaaatctg 240
 ctgaaaggca atttgatata aaagttaaag ttatttgctc aaataatggg gatgaattta 300
 tcattagtca tttctttcaa gccactggta ttattcatca aacaacatgt gttgaatact 360
 cccaacaaaa tgggattggc gacaaataac atcaacatct acttaat 407

<210> 10123
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10123

agcttatntt agtccatata ttgttttctt ttttttacac actatatttt cctctcctgt 60
agaaacaaac cctttgagtt gattcatata aacttcttct tctaagtcac cattcagaaa 120
aggcggtctt tagatccatt tgggtgaagct ccaaatacaa tgagccacta aagccaacac 180
aagccacaaa gagtccttct tagaaacaga agagatagtc tctttgtagt tgatgcaatc 240
ctatcccga agggcattgg atagaagact ccaagtagat tgggcccagag atgtaagaga 300
aggccctagg gttctcatga gccttatgat agatttcgga cccatgggct aagtatgtgc 360
ccacttatct ttatacatat ttgattaaga tttcattatt tttgggcctt atattt 416

<210> 10124

<211> 454

<212> DNA

<213> Glycine max

<400> 10124

agcttaagaa aaagcgatga tttggggcct tgacttatac tactcttttc ctaaataata 60
acaaaattaa ctaactttta tgctaattaa gttagtaaat atcatctaatt tccactaatt 120
acatttaaga aacaaacttt tttcctaaaa tacccttcaa tggaacctaa tatcaaggac 180
aaaaggagtc attggaaata gaatctgaat taattgaagg gtatttttga gatagtatca 240
ttaaataggg tggaagtagt taggatttac ttatatgtgt caaaaaaggt tttttttttt 300
gttgcttaaa attgatccgg agggagtaat acttattcta aggacttcat cattgtattt 360
gaaaagaaca atataaagaa tccctaccgt cgggtggttct ggtaatagat atcaagttgg 420
gtctggaat agttatcaag ttgataatag atat 454

<210> 10125

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10125

ctgaggcgtg caagcttagg agaacgatct tggaagaggg ccttaaagtgn tttatgagta 60
tccacctggg agcgactaag atgtactacg accttatgca gatgttttgg tggccgggta 120
tgaagagaga agttaatgag tttgtccttg cgtgcctaata gtgtcagaca gctaagatag 180

aacaccaaaa gccttttaggg tagctgcaac ctttagagat acttgagtgg aaatgggata 240
acatcttcat ggatttcatg gcgggggttgc ctaggacccc caaagggttta gattccattt 300
gggttattgt agacaggttg acgaaatctg cttacttcat cctaattaac atcatatatt 360
cctta 365

<210> 10126
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10126

agctttcaga attcgaaggt tttcgtttta cacagatgnc caannegggg gcataatata 60
tcgagacgct cgaaattgaa caacggaagc ttcgagaaa atcgaatggg cataactttt 120
cacacgaatg ttcgattcgg ggacataact catctagacg ctcgacattg aacaatggat 180
gctctcgaga aattcgaatg gtcataagtt ttaacacgga tgtecgattc gtggacgtat 240
tatatcgaga cgctcgaaat tgaacaacgg aagctcccga gaaatttgaa tggtcataac 300
atttcaactcg gatgccccaa ttcggaacat aa 332

<210> 10127
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10127

acctgcggca tgcaagcttc tcanagaagc ctctcaagga agcttctcat acttatctac 60
ctaaacctat ttcggtaaaa ttgttctccc ggattcgtta accgttggat catcttaaaa 120
tcttttctgg aggttcttag gacaactgtc cacagtttga ctgttgcgat ttgcaatata 180
acatttggtg tgtgagatat gaatttttta cggaagcaaa aaatttgagt gttgcaggct 240
ttaaattagt gagattgtca gattaaccgc cttgtatatt tatgagattg tcagattaca 300
tggtgtgcc a tctagcatag tgtctgatag agatcctagg tttaccteta gattntggga 360
gagcctgaac agagcattgg gaaccaagct tagactacgt tcaacttacc atcctcagat 420
tgatggccaa actgaacgga ccattcagtc act 453

<210> 10128
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10128

```

ntgngctcaa tagctccaat aacgtctatt ccctatatat attacggcca aggcactgcc 60
aagatgttca aaggtacaag cgaagcattg acattatcaa cgaaggcctg gcacttgtgg 120
cacttttctca cacaacaatc attttccata gtgagccagt aataccctgc cctcangate 180
ttccggggcca tggcatgtcc gttggcatgt gtccaaaagg atcccttatg cacttccatt 240
agcatctgct cagcctccct ggcacaaaca catcggagca aaaccaaate atggttcctc 300
ttgtacagga tatttccact tangaaaaag tcggctgcca acctctgcaa cgttctcttg 360
tcattgtcgt tggcatgtgt tccaaaggat cccttatgc 399

```

<210> 10129
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10129

```

cttcaatcaa tctttggcta tctacattag tgcaactact cncatcaata accaaagagc 60
atatcttctc catgatcatg cacctaggat gataaatgtc ctccctctga gttgcgtctc 120
tatacttaca cacactcccc attaacctcc taaccatcaa aagatcacct tccaggggct 180
gtacatcaca ttcactttca ctctcactag aacaactaga agagctagaa gaagatgcac 240
tagtgatata ccattaccc aacacaacca tagtcctttt gttaggaaat tgggaggcaa 300
tatgacccta tcctaaatac ttaaaacatc taatagaact cacctttaaa gaagtgggag 360
taggggtaga attatntgta ccaagggcaa tactgatttc atg 403

```

<210> 10130
 <211> 224
 <212> DNA
 <213> Glycine max

<400> 10130

cacacacaca aacacacgca cacgcgcata ctctcactga cgcacacaca catacacagt 60
cacacagtga gacggacaca ctccacacaca cggtggaaga agaatgatgg ttctgatctg 120
gataccgaga aatgacctgc agatgtcaga ctgggactat gcagagatag aaggaataca 180
catggctctt taagcactca acacagttca tgagccgttc tact 224

<210> 10131
<211> 298
<212> DNA
<213> Glycine max

<400> 10131
ttacaaagca ttcattgtag ttccctacgta tattatTTTT atctTTTTtg atattacact 60
ctaaattgat atagactgat aaacaaatta aaaatagtat ttatattatg agacctattc 120
ttaaattggat agattaaaag gtgcaatgta tatatacaac tatgaagatg atatcaataa 180
tttaatcata ttatatgta acattgatca tgtctatttg attcataatt aattgaatat 240
ctcgaagaat ggatcatgatt agttgataac tatagcgagg taaccaatat tattaaat 298

<210> 10132
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10132

ntccttgccc ctgatatat ttgagggact catggtcact atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggta gggaccactt aacttttcac taaaataagc aatgggatgg 180
cttcttggat taacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atTTTTgaaa gtttggcaac gcaagtatgg gggcattagt tagctTTTTgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac attnttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
catgaaaac 429

<210> 10133

<211> 318
 <212> DNA
 <213> Glycine max

<400> 10133

```
agcttctgtt tcaataacga gcgtctttta tattactggc ctcaatcoga catcggagta 60
aaatgttatt gtcgttagaa tttgctcaga gcttctgttc tgtaatttga gagtctcgat 120
atactacgga acacaatcgg acatctcagt aaaaagttat tgctgtttga atttgctcag 180
agcttctgtt ctttaattacg agagtctcga tatattacgg gattcattcg gacatccaag 240
tataaaagta ttgccgtttg aattgctcaa agcattcttt gtcaattacg agcgtttaga 300
tatattaccg gattcatt 318
```

<210> 10134
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10134

```
tacgcgacac tatgaaactc agcttaaggc aatccttctc tgctgatgtc cactactgta 60
tctgttccaa atgttgagtt tcttacttca gctgctactg tcaataatac ttctaattatt 120
gtttcaaatt ctaatgttac cttttctagt agtggttaac tttggcatgc taggttagga 180
catcctaattg atcatgtaat gaaaattgtt ctcaaatagt ataataattc tcaactgaat 240
aaaaacatca cagagttttg ttcctcttgt tgtatgggtc aagctcatag gttacccaaa 300
gaaatttgat tataatttaa ttcgtggcga tcataagttg aaagttcata ttcttcggtc 360
attgataaac aatttggttg acaatattca ataccatgtt acctcaactt tngtttatte 420
atcttttaga ctcattntca ctaacctatg gngaaccctc catgtacctc ttatgttgct 480
a 481
```

<210> 10135
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 10135

```
agcttgatat taaacaacgg aagttgtcta taaattctaa cggtcataac ttatgacacg 60
```

gaagtcggat ttagtagcat aatatatcta aacgctcgaa attgcacaac ggaagctctc 120
gacaaattaa aatggtcata acttggcaca cggatgtccg attgtggcgc atgatatacc 180
gagacgctcg aaattgaaca acgaaggctg tcgagaaagt taaatggtea taacttgtca 240
cacggaagta ctatatcgac gcaaaacata ctgagacacg tgcaatttaa caacggaac 300
tggtcagaaa ttcaaattggc cataac 326

<210> 10136
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10136

agcttaacag caataaaaag catcaaagtt attcaaagat ttactcacat taactaccac 60
aagcacgatt gacagtgaaa aatcataaga tttgatttaa tgccataattg cacacctgac 120
atccagtaga tcaactctaa ctcatgatga taagaaagga aacatgcaca acaacaattt 180
cattaccttc ctctaataaa agctgaattg atctcttctc taactcaaca gcatgcttgc 240
taagttcaac tgaggacagg gagcgaagca ctgccaaagg atgagatatac agctatataa 300
natatcaaga acttcataag aaagctttga gggattatctt aagggctctg acataactttg 360
atatatcttc ttgtctgatt ggcccaattc tcaaaacatac tgcaattggtt ggatcgctc 419

<210> 10137
<211> 445
<212> DNA
<213> Glycine max

<400> 10137

agcttcattc tacacctgaa aaagagggtt agttatttgc acaaaagaga aagcttccta 60
acaaaaaatt tcatgcagat ggaccttctt ctagtaattc tgacttacia tagcctcata 120
tccttcttcc attccacact agagcgattc caaacaaaaa gatggaagaa gtggaaaagg 180
agatctttga gaccttcagg aaagtagagg tgaacatacc tctattagat gccatcaagc 240
agattccaag atatgccaaag tttctaaagg agttgtgcac ccacaaaagg aagctcaaag 300
gcaatgaaca gattagcatg gacagaaatg tgtagcatt gataggtaaa tctgttcttc 360

acattcctga gaaatgtaag gaccaggtta ctttttgtat accttgcatt attgggaata 420
 gtaaatttga gaatgccatg ctaga 445

<210> 10138
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 10138

tgagaatgga gaattgcact aagcaatcac tacgcatagc ttcattctcg aaggtggagg 60
 acacatgaac gaaaacgcaa ttcattgggtc tccgaaaaga ttgagaatgg agaattgcac 120
 taagcaatca ctacgcatag ctccaaactc gatggtggag gacacatgaa tgaaaacgca 180
 attcatgggg ctccgaaaag atggagaatg gagaattgca ctaagcaatc actacgcata 240
 gctccaaact cgaaggtgga ggacacatga acgataacgc aattcatggg gctccgaaaa 300
 gatggagaat ggagaatggc actaagcaat cactacgcat agctccaaac tcgaatgtgg 360
 aggacacatg aacgataacg caattcatgg 390

<210> 10139
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 10139

gattatgcc tgagctgtag acttgtgaca ctacattaat atttcataat taattaaaat 60
 tatattttga aaaattctat aatgcgctta agttcgatac tgattactta acttttagaaa 120
 attaatctga taagacattc tgacgtgctt ttttttcacg agtcttataa taactataat 180
 cttcagaact aatgtaagtc aagtataaaa ataatagatt atataaatat gatttagata 240
 aattatttat gattcaaaat caattattta actaccaatt aatctaatta ggtcaatttt 300
 acaactctac tctaatgga ccaatattaa ctatattatc tataattaac caatttctat 360
 aaaatattat gtcttgatat ctgaaccaat ttattacaac tcaaactaat attttaat 418

<210> 10140
 <211> 416
 <212> DNA
 <213> Glycine max

accacaactg catttttttc tggacacaca tattgtctgg tcatattgga cgattacacc 180
 aaatggacat gggccaattt tctaacctac aaggatgagt attttgatac cttttataaa 240
 ttacgtaaaa atattgaaca tgaaagaaat aattgtattt tttcaatcaa aagtgatca 299

<210> 10143
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10143

actcaagctt agaatgcaga agaagcaaca acaatcaatt taanattggt ctataaacat 60
 gcaaggcaaa aatgatggca ataacataaa tgagataagg gaagagagaa tgcaaact 120
 tatttatact ggttcggcca ctccccgtgc ctacatccag tactcaagca acccaactga 180
 gatatccact aacttgtaaa ttcccttttac aagtactaaa cacacaagga caacccttcc 240
 tttgtgttta gagattcttt acaacatgag actcacagtc tcttaatccc ttagagaatg 300
 agaagaagaa tatgaaccaa tctctctaca agagatggat gtacatatga gcactcaatt 360
 atttcttatg aattcaattg aatggccaac gaattttaaa ggataa 406

<210> 10144
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10144

cactatacga aactcaagct ntaggctctg cagtntatct tattaataga gngcctttat 60
 ttgtgnnaat ctttaagaga cctcttgata ccctttctca tcatttcacc cttaattttg 120
 tcaatcattt accaccctat attttttggt gtgccatata tgtgcatttg catcctcacc 180
 agcggaaaaa attagaatct agagtaatga aatgtgtttt tgtgggatac aacaccactc 240
 aaaagaagta ttagggcaat catccatcta caaaaaaaaaa ttgcatcaat ggatgttaca 300
 tttcatgagc atgaattgat ttttcccttg aatacacttc attcttcacc ataaagcgag 360
 ggggatgggg gtgaggtggt ttctaagaa aaatacaatg 400

<210> 10145

<211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10145

```

ctttgtnntt tggagtgtaa gagggcatga aaatgatagc ttgttggtga ggttcctct 60
ttaggccaac atttggtgag ggttgtagca tgttgattct tcgcacctag atgatgtgaa 120
aatattgttc accatgtatg tgtgtatata tatagcatga aattgactgt caagtgtgta 180
tatatagcaa aaaaaatgcc acccaaaata gagtaaattgt aggtagcaaa aataccttgc 240
caatttgtat atgtgttttag ataggtagca aataccttat aaatatgtat gtatgttgat 300
ataggtagca aaatacctgg aaaatatgca tgtgtgttga tatangtagt gaaaatgtct 360
tgcanatatg taggtatggt cataaaatgt ttctcttcaa gaaaaaatg tgt 413

```

<210> 10146
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10146

```

gctgaagttg tacatgacca atcttttagta atcgctttac tttttgcagt ttttgtattc 60
gnttaaaatg catgaagata gatcagtagg agaacaattg gatttgttta ataaactgat 120
tctagatctt gaaaatattg atgtcactat tgatgatgag gatcaagctt tgttattggt 180
gtgctatttg cctaagagtt actctcattt caaagagact ttattgtttg gaagagattc 240
tgtttctctt gatgaagtgc agactgctct gaattcaaag gaattgaatg aaagaaagga 300
aaagaagtcc tctgcaagtg gtgaatggct gacagcaaga ggcaagacct tcaagaaaga 360
tagtngaatt gataagaaga agcanaagcc agaanatcag aagaatggtg aatgaaacat 420
cttcaaaatc agatgttatt ac 442

```

<210> 10147
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10147

agcttatgaa ctcnagaag ttatatgtta ctaatgtaaa aaaagggatc taaatcgaag 60
atgcttaacc cattatgatt tetgaatgtc atgctcatcc acacctacac aatcccatgc 120
aatcgcagct taaaaatata tagtaactat gttgactttt aattctacga aattctattt 180
ttttattaga aaacagtacc aaaagtactt aaggaaatgc atgtaagtta tgtcttttat 240
gaattttgat taaaaactct ctttatttca aagacattcc ttatttacca attaattata 300
tgacatccct agttgccatg gccaatatgt cagcacttga aaccttattc tggcagcgag 360
gtacactgtc aaccgcagca ttggctttga tcacagtgtc aaacccatca ccagctagca 420
ccacagaagc a 481

<210> 10148
<211> 440
<212> DNA
<213> Glycine max

<400> 10148
agcttataga atatataata aattttcttg acttttgaaa agtctataca tgtttccttt 60
gatgagtcta atgtcattct ttcaaggaag gatttttttag ataataattc aaattcctta 120
gaagatacac atattttatgg aatgactct aaagaaaaag atgaaggaag caatgaggat 180
tctcaagata atggggctag aggaaataat gaacttcaa gagaatggaa agcctcaaga 240
gatcatcccc tcgacaacat tattggtgat atatcaaaag gggtaacaac tagacattct 300
cttaaagatt tatgcaataa tatgactttt gtatctatga ttgaacctaa aaatataaaa 360
gaagccatag tagatgataa ctggataatt gccatgcaag aagaactgaa tcaatttgaa 420
agaaataatg tgtggaaact 440

<210> 10149
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10149

actcagctng acaaccggct tgtttaagta ataataataa taatatatta ctattatcta 60
taccattntt atgacattat gaatgacttc atgaattgag ataaagtgtc taaagaattc 120

acttgcattgt gaaaaatttt caaaaagaaa aagactcaag ttaaaaggat aatgcaacca 180
gattaataact ttcaaagaaa aaaatgtttt gtaaagacat ttccagacaa tttaaatatt 240
tttatttgac tatattagta taaatcatct ctaatccatg ttttttttaa tattatactc 300
tctttttcat tttcttttga tatactntgt gtttaaataa cttgaattca atatgattnt 360
ggttatcaat tattnttgaa ttggatatta cttatacgaa aatntataag tttctttttt 420
aagtagtatt tactaggtnt ataaa 445

<210> 10150
<211> 427
<212> DNA
<213> Glycine max

<400> 10150

gagctttcac ctccacatt gagaacaact accttctctt tatagctgct taatttaggg 60
aagaactcct tcttatcaga aatcagataa ataataatgc tgccatcatc agtattactc 120
catccaggca taacctcgct tacagaatca ttttaagatga agcaatcaag tgagtcctaaa 180
ctagcaattt tttgaagaac acttgccctg tcatatggaa ggccaacacc ataagaaatt 240
ccactatgcy ttctggacag gaagagtgtt cggatgagag actcagctac tggccggagt 300
aaagaaacag ttttatcatc accactttca gccaaagagta ctgattcatc caataacacc 360
ccctcacta taccatctg agagtggatg cagcactacc aaaacagaga atgagacagt 420
tatcatt 427

<210> 10151
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10151

catgcaagct aattataact tacttgctgt taatatataa caattatcaa aatttaaata 60
ttactttaac tatatgcaca aaaaattggt gaacaaaaat cattcaaat tattatatat 120
gtacttgta taattgagaa agaattgtaa taaatgcata gaaagaaaaa agagctttta 180
atttcattta gacatagttt gcaagaaggc ggaaaataaa tgatgcaaac ttaaggatat 240
tcatcattta gttactggct ttcatgtat aaaatccaac cttggaatag aatatcatc 300

attacacgca taggaattta attaatacag cacaaaatgt acataacaac aaaagaaatt 360
gacatgctaa caagaaaact atgatnatat tgggtggcaac agtatataag tatgacatac 420
tacatataag accttctatt ttat 444

<210> 10152
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10152

agctttgaaa aacactttnt attttaaate acttggccaa acctttgcta attcaattag 60
gaattccctt cctaataatc tagtgatcat cttgatgttg tgacttgtaa tcttgaagta 120
ttgtcttgaa ttttaatctt gaaaagccca tttgcatcaa ttgcaacaca tcatcatgat 180
catcatcaaa acatcaaagc caattgcac tacacatgtg tctccacct tcgagattgg 240
agctatgttt cactgattgc taagtgcgga cctcaaggc aatccgcat tctccctttt 300
tttttcggag acccatgaat gttattgcct agcgtattc atgtgcoctc caccttcgag 360
gttgagagcta tgtttcatg 379

<210> 10153
<211> 385
<212> DNA
<213> Glycine max
<400> 10153

gcttcatggc ttactgagga tggagaagtg caagtattga attctgtgga gttggatatt 60
tccattagaa agtataatga taagggtgtt tatgatgttg ttcctatgga ggccagccac 120
ttactcttga ggggaccatg gcaatttgat aagaggggta atcatgatgg tttcaccaac 180
aagatctctt tcacgtatca aggcaaaaag atagtgtctc aaccattgag tccacaagaa 240
gtatgtaagg ataaaaaaaa atgagagaaa attcttcaag aaaagagaga aaaataaaaa 300
gagagtcaaa cacttgagat ttaaaaagtg aagacaaaaa gagggaaaca caagagagag 360
aaaagatgag tgaaacactt tgagt 385

<210> 10154

<211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10154

ntntattgta atcttgaaat tcaggacaac actctgattt ctgaaatfff tgggataaaa 60
 atgggtcattg atcattccct tctctctgac taaaccaa at taccagtgga cgggtgtacca 120
 tttgaaggta cactgaatga cgactggaaa tttgatttct ctgcccataga tgcccggccag 180
 ttgggtttgca ccaacaatgt ggatatgacc ggacgtcttc ttgccggggtc attgggtttt 240
 gaaagccgca tctttcacta ttttaattgtg cgtattttgc ttccacgggtc ttccaacctt 300
 gccaggttt ctgaggaaga tctaattatc atgtgggcct ttcatacagg gagtcaactt 360
 gactgggcac acttagtcaa atatcgcatg catatggcat tgcgaataaa tgcttcatta 420
 ccataccac agcttgtcac tc 442

<210> 10155
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10155

tatgcagtgc actttctgag tatgggtgtc ttggatttga attgcgctac tccatggcca 60
 atcccagttc atcgatgatg tgcgagggtc agctaggtga ttntgcta at ggtgctcatg 120
 gcatatttga caatttcttg gcttctgggtg aggctaagtg gctccgtcac actgggctgtg 180
 atgtgttact tctcatgtg tatgat 206

<210> 10156
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 10156

atgaaaggaa aagactcttg cagttgggtg gaacatatat cgacaagttt attgtttgtc 60
 aaacgaacaa gattattact ttcttgtaaa tgtgtgagaa aatttttggga aagattcaaa 120
 tgagcaagat atccaagttg cgaaatccag ttaggtattg gtccttcgat cccgttgtca 180

gatagatcaa gatatatata tatggactga tttatcaaga aactaggaat tegtctcaac 240
ttacaggaag ccaacattat atgcgtcata tgaggaaagg gtgacaggtc atgatcatcc 300
ctaaagttta tatcaactga caaattgtta tgtgagaggc ctagttcaat taaattactc 360
agcttgcgaa tcttgtccaa ttgtattgtg ccattaaact tatttgactt aagctgaatg 420
acacgaagt 429

<210> 10157
<211> 440
<212> DNA
<213> Glycine max

<400> 10157
agcttaggac tcaatgaagt ttattctttt tctgattatt atgatagttt atatactggt 60
tttccctttt ctcatagttt tcacagcagc agaaacttca tccatcacac aatcccagtc 120
cctcagttac agaaagaccc tagtttcccc aagtggaaac ttcgaactcg gtttcttcaa 180
tcttggaat ccgaacaaaa tctaccttgg aatttggtac aagaatattc cacttcaaaa 240
catagtttgg gttgcaaacg gtggtagtcc aatcaaggat tcttcttcca tcttgaaact 300
agacagttct ggcaatttgg tccttacaca caacaacaca gttgtttgga gcacaagttc 360
tccagaaaag gcacagaatc cgggtggcaga gctcttggat tctggcaatc ttgtgataag 420
agatgagaat ggaggaaatg 440

<210> 10158
<211> 359
<212> DNA
<213> Glycine max

<400> 10158
gacaagtgga ctacagatata ttaagaaggg gggggcagaa ttaacatata acaaactatt 60
ccccaattaa aaattctact ttttaatttaa cccaacaacc caagattcct tttaaacaag 120
aactcctaaa taataatgca aattaatctt actaaataaa aataataagc actaaatact 180
caagaagttt aagggaagag aaaatgcaca ctcatattta tactggttcg gccactcctt 240
tgagcccaaa tccagtcccc aagcaacca cttgagagtt ccactatctt gcaaaatccc 300
tttacaagtt ctgaaccaca caatgacgac ctttcctttg tgttcaaatt ttgttacia 359

<210> 10159
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10159

tagtacttgg aatttggact cactgtcgtt tagcctgttt atgcaaaggc aaanggnatc 60
 tatcttagga cacaccctat tgagatttgt gtagttggtg cacattctcc atttaccgtt 120
 ggcctttttg actatgacaa cattgggtgag ccaaggagag taactaactt ctctgataag 180
 ttgggccttg aggaacttgt ccacctctc cttgactgcc ttgcgatgct cttctactat 240
 ctatctcttc ttctgtgaca ctggtttggc ctacgggcag atggcatgct tatggcttat 300
 aatgccaggg tgaatactcg acatgttaga tggctaccat gcacatagga atgcatttct 360
 gtgtgggaca ttagctatgc gtttatgcct at 392

<210> 10160
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 10160

agctattctt caacaaacaa atcaaaattt attttctgat cttcaaaacc tagctccagc 60
 ttctctctcc ccatatcaac tatgcagctt gtggtaaca tgaatggttt tcccaatatt 120
 acagggatgt cagtatcttc agagatatcc attaccataa agtctgtcgg gaagataaaa 180
 tgttttactc tgaccaacac atcttcaatt actccatag gccgggtaat ggagcagtca 240
 gctaattgtc aagacattcg agtgggcatt atttccaact ctccgaatct tctgcacatg 300
 gagagtggca tcaaattgat actagctccc aaggcaataa gagcttttcc cacattgact 360
 ctgtcaattg aacaaggaat agttacactc ctacgaactt tatgcttggg t 411

<210> 10161
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10161

tctcaattaa gtaggagtg gagtgacctt angctttggt cnccttctct tcttctcgaa 60
gctaacacct ctgccttttg cctgaaaatc gcgaacatcg cgaaggtaaa tcttgaccgc 120
gcgtgcgccg aatgggttgg tctccgggcg gccgccgttc ttctcgtagg cggcgccgaa 180
gcggtcgatg acggcgtcga agctgccccca ggcttggcgg agcgggcagg gacatggggc 240
aagtgggttg 250

<210> 10162
<211> 417
<212> DNA
<213> Glycine max

<400> 10162

gcacctgcag catgcagcta gtgagagatt aacgattttt ttaattttat ggcaagcgca 60
ctctgatttc actagagcag gctctttggg tatcaatctt catgcagcta atcgagttgg 120
tatagttgat gggctttgga atccaacata tgatcttcag gccatctatc gatcatggag 180
gttagagcct gttactttat ccttaatat aaataagttg ccttctgatt taaaaattat 240
ctataaaaca taaagtttag aatgcgatgc gactgtctcc tttacggaga attcttcatt 300
gagcagcgtc ttagctcatt gccttttttag aggggtttcc cttatttcta acaataagac 360
gtgatagttg agaccttcac tccttattac gcgaccgcca cattctcttt attcttg 417

<210> 10163
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10163

agaaactcag cttaacattc acttcgagcg tacgttatat tatatgactt attagacatc 60
cgcgtaaaaa gttattggcg nttgagttgg ctgagagctt caacattcaa tttcaagcgt 120
ctcgatatat gacgggactc aatcagacat ccgagtaaaa agttattgtc atttgaattg 180
gctgagagct tcaacattca atttcgagcg tctcgatatg taacgggact caatcagaca 240
tccgagtaaa aagatattgt cgtatgaaat tgctcagagc atcaacattc aatttcgagc 300
atctatatat gtgacgggac tcaatcaggc atccgcgtaa aaagttattg tcatttgatt 360
ggct 364

<210> 10164
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 10164

tgtgtgcatt caatatcctg atgaggggtgt tccatatggt tttatgactg gactttacat 60
 ctgttgccca agtttcatgg tcttgcaggt gaagatcctc ataagcatct taaggagttc 120
 catatTTTTT gtccaccat gaagccccct gatgtccaag aaaatcatat ctttctaaag 180
 gcttttcttc atttctggag ggagtggcaa aagattgggt gtactacctt gctcccagat 240
 ccatctccag ctgggatgac cttagagag tgttcttga gaaattcttc cctgcattca 300
 ggaccactac catcagaata gacatttcaa gcatcaagca acttaatgga gagagcttgt 360
 atgagtactg gg 372

<210> 10165
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10165

ctaagcttac tgcacatana atatataact tgatattagt cttgttttca ttaaaactaa 60
 aaataaatta agcataatgt ttgaatgtgg ctcaaatcaa gatcggttaa cactttacta 120
 taactgaaat gtgaaagaca ccgtacccta ccaaaaacga agacacgtta taaacataga 180
 ccccttcaag gaatacattt tcacttgaag cacttggcat ccaaaagagc ctgcacctca 240
 aaacgatcat aatcttcaat catctgattg acacgctcct tttgagcttc atcatagatg 300
 tcaaccttag tccattogga tagctccatg tcatagcatt catcactcac 350

<210> 10166
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10166

cacgaaattn tatgcctcaa gtgaggtcta aaatctgaag tgtgggtctc aaatgatcaa 60

agttgaatga caagctcaca catgacctct atttatagcc tcaggggtgac acaaaataag 120
 aggggaattt gaatttctat tctaatttca cttgaatttg aattttaaata ggtggagcca 180
 aatttggagc cacaatttca ctacttatga ttagtgaatt ttagctatga ttcaaccac 240
 taattccaga tcaagtccaa gattcttcac taagtgtgct tatgtgtcat gaggcattgtg 300
 aaacatgaca gatatgcaca aagtgtgact atatgatgtt gtaatgggga 350

<210> 10167
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10167

cttgatgaan agttggctca ctcgttgttt tctatagcaa tatgtagaat ctcaaattta 60
 aagaaagcct ttttgagttg agtagccata tggtagtacc ttgtcatctg tggatccttg 120
 atatgatatt ctccattcaa cttaccagtg ataagcttgg agtcgctcca acactttaga 180
 tatttagctc ctacttcttt agctaattctc aggccagcta agagagcttt gtgctcggct 240
 tggttattct tggtttcaaa ctcgaaacctt agggactgct ctaggattac ttcattctggg 300
 ttttttgaga taaccgtagc tcaactccct ttttcattgg atgaactatc tacttacaac 360
 ttccaccact c 371

<210> 10168
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10168

tcagcattca attntcagcg tctcgatata ttactgtact ctatcagaca tgagagtaaa 60
 nagttattgt cgtttgaatt tgcaacgacc atcaacattc aatttttagc gtgttgatat 120
 attacgcgac tcaatcagac atccgagtaa aaagttattg tgatttgaat tggctgagag 180
 cttcaacatt caatttcgag tgtttcgata tattctggga ctcaatcgga catccaagta 240
 aatagttatt gttgtttgaa tttgcttaga gctttggtat tcaattntga acgtctcgat 300
 atattacggg actcaatcaa acatccgagt taaaagttat tgcggttga atttgctcag 360

agcatcaaca ttcaatttcg agcgtgtcga tatattacg

399

<210> 10169
<211> 435
<212> DNA
<213> Glycine max

<400> 10169

agcttctgtt ataattgcga gcgtctctat atattactgg cctcaatccg acatcggagt 60
taaaagttat tgcgctaga atttgctcac agcttctgtt ctgaattttg agagtctcga 120
tatactacgg aacacaatcg gacatttcag taaaaagtta ttgtcgattg aatttgc tca 180
gagcttctgt tcttaattac gagagtctcg atatattacg ggattcattc ggacatccaa 240
gtgaaaagat attgccgttt gaatttgctc aaagcattcg ttggcaatta cgagcgtctc 300
gatataattac gggattcatt cggacatccg agtaaaaagg tattgtcttt ttattgtgct 360
cagagcttct gttttcaatt tcgagcatct agatatatta caggactcaa tcggacattc 420
gagtcaaaag ttatt 435

<210> 10170
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10170

agcttactaa ggcacctgtt ctttctcttt ctgacttttc taaaactttt gagctagaat 60
gtgatgcctc tggagtggga gttggagctg tattgttaca aggagggcac cctattgctt 120
attttagtga aaaacttcat agtgccaccc tcaactaccc cacctatgat aaagagcttt 180
atgccttaat aagagccctc caaacttggg aacattacct tgtttccaag gaatttgtca 240
ttcatagtga tcatcaatca ctttaagtaca ttagagggca aagaaagtta aacaagaggc 300
atgcaaatg ggtagagtac ctagagcaat ttcatatgt tatcaaatac acanagggaa 360
aaacaaatgt ggtagctgat 380

<210> 10171
<211> 433
<212> DNA

<213> Glycine max

<400> 10171

```
agcttattgt cgagtttgag acatatacgt ataatagaaa ctctgcttca gggggtgacc 60
gagtgggaat tgggtggagtt gcaagaaatg tcttgaactt aaaaaacatc ttttcacatt 120
gtcactcga ttgaaaatgt tttcgtttct tcagtacttg aagaaaagct ttgctttttc 180
tgccattttt ggtaaaaaaa aaatgggata aggatgctaa catgcctggt aacttttgca 240
cctccttcaa attgtgtgga ctctcatgg caactacgac ctacactta tctgggttag 300
cttcaatacc tctataggcg atcttgaaac ctaatatatt cctctccct tactccaaaa 360
gtgcatttct ctgggttgag tgcgatgttg tgcttctca gctatgcaaa aatagctaaa 420
tcttttggat aat 433
```

<210> 10172

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10172

```
agcttcagca ccgaaattta gttaggctac ttggtttctg cttggaagga aatgaaaggc 60
ttcttgtcta tgaatatgtt cctaataaaa gccttgatta tttcatattt ggtacgtctc 120
tgaatcactg catagttaga ctgcttctct atatttcact agtgggtcaa gacaaagcct 180
aactattcac acaaaattaa aactgatgga tgtatatgca gatccaaaca tgaaggcaca 240
attggattgg gaaagtcgtt acaaaatcat tcgaggtata actogaggcc ttctatacct 300
tcatgaagac tctcgagtgc gtgttataca tcgtgatctc aaagcaagca acattctctt 360
agatgaagag atgaatccga agatagcaga ttntggcatg gcaagactgt ttttggtgga 420
tcanactcat g 431
```

<210> 10173

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10173

ttgaatgcac tattcaatgg agttgacaag aacatcttca gactgatcaa cacttgcaca 60
 gtggccaaag atgcatggga gatcctgaag atcactcatg aaggaacctc cacagtgaag 120
 atgtccagat tgcaactctt ggctacaaaa ttggaatata tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgnga 240
 gagaggataa cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattn 300
 gacatganag tcaactgcaat agacgaggcc caagacactt gcaacatgag agttgatgaa 360
 ctc 363

<210> 10174
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 10174
 atgatttctt ttgttccgga aacctttctt ttctcatgtg caccctaaacc caatctccgg 60
 gttcgaagac aacctttctt ctccctttgt tggcttgtgt agcatagctt ttatatttcc 120
 tetcaattag atctttgact ctctcatgaa acttcttcac atagtccgcc tctgcttgac 180
 cttcttaatg cgtacaaaca gaaacatttt gcatatgcaa aagatcaaaa cgagtttagtg 240
 tgctaaaacc ataaacaac 259

<210> 10175
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 10175
 tgaaacctca attcctctaa tatatgaagt tggagcttcc tgtgttcacc agctgcattt 60
 agatcaaaat tcaaaaactt caatgcttaa taagctttgt gtttcaactc aacaggtaag 120
 tgacaagatt tgccatagac caattagaag ggagttcctc ttataagagc tctgtatggt 180
 gttctatatg cccacagagc ttcattctaat atttgagacc aatccttctt taaatgagca 240
 actgttttct ttaggatctt cttgacttca ttgttagaaa ttccagcttg cccattgggc 300
 tgtggatggg aagggtgaggc taccttgtgt ctaacacta 339

<210> 10176

<211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10176

```
agcttgtcaa gcagttctctc tcctatttgt ttantatata tgcattcgaa cgatataaaa 60
aaaagcaact gagggaaaaa gcttctctcc tcacatattc aaaacttcaa gtattctggt 120
tgттаататт тttaaaатаа taggttacct acataagtat tgтааgttta ggtтааттаа 180
gattaatacg cattgтаagg ttaggttagt tattattatt aataaattaa тааgtatgct 240
gttatttgtt аттааттттт atgtactaac agatatttga agagtagggt aggttagggt 300
acttagtata aaaatattat ttagtttgta gtatattcatt ttagatttgt агтатататт 360
tgaaggttaa gttgtataac aataagtatg ttgttattag ttgtagtat atat 414
```

<210> 10177
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10177

```
taccaccata ggaagccatg gataagagct tgaatgtagg agaagatgag tggagggaga 60
gggagagaan gagcacgaaa ttttgtgcct caaatgaggt ctgaactttg aagtgttaatt 120
ctcaaатgat caaagtcca aaaaaatgca cacacatgac ctctatttag агcctaagtг 180
taaccnctg aaatattatt agтаattата ttтgatgtтn gattatattt gttgggtatt 240
tgtgtgctat tacacttact cactattgtg ttctatagct ataaagtttg attgtgaate 300
atattgaatt gttttc 316
```

<210> 10178
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 10178

```
gagatcgтcc ccttgacaac attatcggtg ttatctcaaa aggtgтаaca actagacatg 60
ctcttaaаga tttatgcaat aatatgactt tcgcgtctat gactgagcct ataaatttat 120
```

gatgaagcca tgatagatga tcattggata gttgctatgc aagaacgaact aaatcagttt 180
 gagagaaaca atgtgcggga actagctgag acacctgaaa actaccccat cataagaaca 240
 aaatgggtat ctaggaataa gttagatgaa catggcatatc tcattaggaa caaggcatga 300
 ttacttgcta aaggatataa tccagaagag ggaatcgatt actaataaac atatgctcca 360
 gttgca 366

<210> 10179
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10179

agctgatgac catttttatg tctcgagagt ttntgctgtt caatttcgag cgtctagatg 60
 agatatgtac ccgaatcgga catctgagtg aaaagctatg accattcgaa tttgcctaga 120
 gctttcgttg ttcaatttca agagtctcga tatattatgt gcccaaatt 168

<210> 10180
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10180

agcttgtaaa ctntatacaa gaatgaagct ctgataccac ttgttggaga agtggcctca 60
 gatatcttac gaaggggggt tgaattaaga tatcacaac tatttcccca attaaaattt 120
 tattttactt tctattcaag ttataaatc ccttaaaaat gaacttctta aatattgatt 180
 caaatagagc aatttgaata tgaatataaa acaataataa ataaaggagt ttaagggaag 240
 agagattgca aactcagatt tatactgggt cggtcacacc cttgtgcta cgtccagtcc 300
 ccaagcaacc cgcttgagag ttccactatc ttgtaaaagc ctattacaag atctgaacca 360
 cacaaggaca acccttcctt tgtgttagat ttctttacaa caagagaccc tcggtctctt 420
 aatcc 425

<210> 10181
 <211> 434
 <212> DNA

<213> Glycine max

<400> 10181

agctttttatc catggcctcc tatggtggtg ttctttcttct agactcatct tttccttgaa 60
gtggcgtctc ctctctctct tctttctcca ttcgctgcc attcatcttc caagaagcaa 120
aggaatccat tgatgaagaa gatcttaggc ctacaagctc caatggagct tacatcagcc 180
tetgactctg gcttgctttg gtgaagggcc ctgagagctg tataagtttg catagaactc 240
tttcacaaaa gccaaatcta tgctcccatc aaccaaattg gtgaggcggt tatggaaatt 300
acacctctcc aacttagtct taaaatcatc caactcgggt tggtagagct ccaccttctc 360
ctctgacaag atgtttctcg ccaggacatt atccatgtac tggttccaag catctaagga 420
gtgaaatctc cttt 434

<210> 10182

<211> 280

<212> DNA

<213> Glycine max

<400> 10182

ggcatttttg gacaaagtat gacaagcagg gggcatgcaa attctcttcc catcaaacct 60
tggtatgcaac tgagatcgta tccccatctc agctagatct tgacgggtat tcaagccatc 120
cttcatcttg ccttgaatgt taaggagcat cctaatacaca ttgtcacata catttttctc 180
cacatgcata acatcaagac aatgtctaac gtctagatca gaccagtacg aaagatcaaa 240
gaaaatggaa ctcttcttcc atatgcaagt cttactttta 280

<210> 10183

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10183

agcttccaag agttgaagag gcgantgaat tcagctccaa tgtaatttt gcccgaccct 60
aagagaacca ttgaagtgtg ttgcgatgag agcgggcaag tcttaagggtg tgtattgatg 120
caagagggaa gggtagtggc ttatgcttca cgtcaattgc gtctcatga agttaactat 180
ccgacctatg atttggaact agcagcttga tggaagcttg cttgtggggc ttctatgaag 240

gctggatctt tgagcttcta tgaggctctt taatggtgat ttccaccat ggagatgcag 300
 cggaagacaa atgagaatag gtgagaggag gcgccatcca ctatggaata agccttggaa 360
 gaaggagcat caccaccaag atgagccttg gataaaaagc ttggagagga tgcttcaatg 420
 gaagaaaaga aagagggg 438

<210> 10184
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10184

ttgttgaaa ctaaattgga aaacaaaaaa ttctggcaga caaaaatgga tggaaaaatt 60
 tctccttata ccttatttta ttttatattg ttaattaatt ataatttata ttgttaatta 120
 taatgaagat caaactttnt atattatttt aatttatgat aaataaaaat ttctttcaca 180
 tcatttaagt tcattatatt ttataatag taaataaaga tcatactttt taaattatta 240
 taattataat tactatgacc taagtatcta caaatcgta tgcctatttt tagaatngac 300
 catatttact atttgtacca aatattaaag atgcattatt atttttgaat t 351

<210> 10185
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 10185

gatgccttta aagtttttaa ggctgaagtt gagaacaat gtggtaaaca aattaagatc 60
 gtgagatcag atagagggtg ggagtactat ggtagataga cagaggatgg acaaccccca 120
 ggtcaatttg cgaaattttt tcagaaccat ggaatgggtg ccacatcccc tatgcctggt 180
 tctccggatc agaatggggt ggcagaacga agaaatcgaa ccttattaaa catggtgaga 240
 agcatgagga gtaatgtaaa gtcacctcaa tttttgtgga ttgatgctct taagacggct 300
 gcgtatatat taaaccgagt tccaaccaag gctgtctcaa agacaccttt tgaattattc 360
 aagggttggg aaccaagttt gcgacatata cgcggt 396

<210> 10186

<211> 395
 <212> DNA
 <213> Glycine max

<400> 10186

```
ctatcaggac ctataaaact cagcttggtg agagattaat gagcctttta ataagagggt 60
taagtgcact ctgatttcaa ctagagcagg ctctttgggt attaattctt atgcagctaa 120
tcgtgttggt atagttgatg gttcttggaa tccaacatat gatctccagg ccattctatg 130
atcatggagg taagatcctg ttaatttttc ccttaatcaa gataagtttt cttctgatta 240
aaaaattatt tataaaatat aaagtttaga atttgatgtg actgtctcct ttacggagaa 300
ttctttcagt gagcagtatc ttagctcatt ggtcttttag aggggtttcc cttatatcta 360
acaataagat gtgaaattga gacttacact cttat 395
```

<210> 10187
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10187

```
agcttcccaa tcaatcttcg atatctntta tgatcagaat aaggctcccc ctgattgggt 60
agcaattntt tatttggtac catgggacta tcaattgggt tacaatctga cataacagtt 120
tctttaagta tgtctaatgc atacttcctt tgtgagatga taatcccatt ttttgactga 130
gcaacttcaa ttccaataaa atatttaagt ttcccaaact ccttaatcta aaaatgacta 240
aataaatgtt ccttcogttg agcaattttt tcttgggtcat ttcttatgat gactatatca 300
tctactcgat gaggtatgac aataaaaaac tgaatgggtc gcttcacttt gtttcacccc 360
aaaagcctga acatctgagc tgaattt 387
```

<210> 10188
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10188

```
agcttctcat caatacttga aagaaaacat tataaaaagg taaaatgaat caaaattccc 60
caaaaactag cttatgcaat tcaactatct tagaagttcc ctctgttaac ttctccaaaa 120
```


actgaagtgt ataagctaata ttttaactggg agggaaaagtt ttattcactt tacctattca 180
 ttttcttcta taaaatgctt cttgaatttt atttccaaac tgaacctaaa tttgtatatt 240
 tattaccttt ccgggtccga gttcatagct tttcttcaga cccttggtta gaagagtctg 300
 cactgttggt tccattgaa caggtgaggt aacctgccaa atgcataaca ggtgcaatta 360
 tttcccatc atgtcttctt gttagattga aacaagtatc agtaacatac ctggcatgcc 420
 aatat 425

<210> 10189
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 10189
 agcttcaaca ttgaatttag agcgtctcgt tatattacct gacttattca gacatacaag 60
 taaaaagtta ttatcgtttg aaaatcctca gagcttcggt attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccgt gtaaaaagtt attgctggtt gaattagctc 180
 tgagggtcag aattcaattt cgagcgtctc aatagattac gggactcaat cagacatccg 240
 agcaaaaagt tattgtcgtt tgaattagct cagagcttca gaattcaatt tcgatcgtct 300
 caatatatta caggactcaa tcagacatct gagtaaaaac gttattatcg ttagaatttg 360
 gtcagagctt caacattcaa tttcgagcgt gtcgatgtat tacgggactt aatcag 416

<210> 10190
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10190

tttactcgag gaggtgctct aggccagtt aatatagcct attctggtgt ttatcagtgg 60
 tggatataca tcggtttacg tactaatggg gatctttata ctggagctct ttttctatta 120
 tttctttcta ctatatcttt aatagcgggt tggttacact tgcaacccaa atggaaacca 180
 agcgtttcgt ggtttaaaaa tgccgaatcc cgctcaatc atcatnngtc aggattatc 240
 ggagtcagtt ccttggttg gacaaggcat ttagtccatg tcgctattcc gggatccagg 300

ggggaatagc ttogatggaa ataattaatt agtatattgc ctcaccccgga aagatagggc 360
cattttttcac 370

<210> 10191
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10191

agcttatgct gcaaatatattt acaatagacc ttctcaacct cagcagcaaa atcaaccaca 60
gcagaaaaat tatgacctct ccagcaacag atacaaccct ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acaaccaaca gttgaggccc ctccacaacc ttcccttgaa gaacttgatga ggcaaatgac 300
tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aatngaataca acaacagtcc cagaattctg acaagctgcc 420
ttctcaagct 430

<210> 10192
<211> 419
<212> DNA
<213> Glycine max

<400> 10192

agcttgtagg gttaaagtct cagcattgtt acgtgctcat gcttcagttg ttagccatgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcacctg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actatgccag ttggagatgt attttcccc tgccttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctgtt tatctatggt 300
ggatgtaccc gattgagcga taaattgcaa aagaagccat tgaatttttt tcagaatact 360
tagagaatgc taaacctggt ggcttctctg agtctcggca tgatgacaaa gtgggggggt 419

<210> 10193
<211> 306

<212> DNA
 <213> Glycine max

<400> 10193

```
tccggttttca atttcgatca tctcgataca ttatgttccc aaatcaaaca tccgtgagaa 60
aagttatgac cattcgaatt tctcgacagc ttccattgtt caatttcgag cgtctagata 120
tattatgtcc caaaaatcgga catcgggtgtg aaatgttatg accattcgaa tttctcgaga 180
gcttctgttg ttcaatttcg agcgtttcga tatattatgt ccccaaactg gaatttcgtg 240
cacaaagttc tgaccattca aatttctcta gagcttgccg tgttcaattt ccagcgtctc 300
gatata 306
```

<210> 10194
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10194

```
agctttntct taagcttttg ctacaacctt tttctcccc tnttgtgcaa catcaaaaaa 60
gctcaaaaga aaactcggga annatcaaac caccagttta ttaaacaatg ggagtnagca 120
aagatataaa gtatcaagag tattaaaata caaataagcc aaaactcata atcaataaaa 180
ataatcaacc agaagtcaaa taacataaaa tgtcaacaac cacaaaatat ccaagactga 240
aacacaagaa aaataagcaa agtacttagc ataataatgt agattctaag aaactaaaag 300
ccaaaatata cggcttataa aagataaata agcagaatct aaaatctaag aagac 355
```

<210> 10195
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10195

```
tgaaggagtt tattgcatca gggaacaatt tcactttaaa agtgggttct aattggattc 60
ctaattttca acttacctat ttggatgtga catcatggca gatagggtccc aactttccat 120
cgtggattca atcacaaaac aaacttcaat atattggact gtctaacacg gngattttag 180
attctattcc cacttgggtc tgggaaccac actctcaggt tttgcattta aacctctctc 240
```

ataatcatat ccatggtgag cttgtgacta cattacaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcac ttatgtggta aattacccta tctttcanat gatgtgtatg 360

<210> 10196
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 10196
 atggaggctc tgggtctcttg ttgaaactgc atgttctgca tagtcatttg cctcaaaagt 60
 tcttcgaggg aaagttgtgg aggggtctca actgtcggct gtttctacgg cttgcgctgt 120
 tgttgattg gtggaagaat gtattgtctg cttgggcaa catcattttg gatagaacga 180
 acacgctgct gttgttggtg ctgagggtca gaccatctga gattacggtg actcctccat 240
 ccatggttgt atctgctgct ggagagggtca taactgttct gttgcggctg attatgctgc 300
 t 301

<210> 10197
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 10197
 agcttataat atattataca ctcgaaatta aacatcagaa gctctcgaga aattcaaagt 60
 gtcataactt ttcacccgga tgtccgatta tggcgaatca catatcgaga cgctcaaaat 120
 tgaacaacgg aagctcttga gaaattctaa tggtcataac ttttaactcg gatgtccgac 180
 tcaggcgcat cacatataga ggcgctcgaa aggaacaac ggaagctctc gagaaattca 240
 gatggtcata actttccaca ctgagggtccg attcaggatt ataatatatc aagacgctcg 300
 aaattaaaca tcgaaagctc tcaagaaatt caattgggtca tcacttttca cacggatgtg 360
 cgattcgggc gcataatatg tcga 384

<210> 10198
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10198

agctntagaa aaaaatgtta actaaaatat tattgcctag ttctactcac caattatgta 60

aragccctga tgctcatgca gatcctttta aaaccaaatt accgttggat cegttcttca 120

cttataatnt atgntaatnt atgaaatctt ggaggtgaga tgtatgattg aattttataa 180

gagtataata aatgaacaca ttattaacca tttttagact attataatta aaataatggt 240

tccagtataa aaaaatattt ctggctacct tactgcagaa gattgttact gctaaatgga 300

agactgctac agcagaagag aagaagcctt atgaggggat ataccatgag gngaaagaag 360

cttatttgca ggtgattgca aaggaaaaac gtgaaactga ctcaatg 407

<210> 10199

<211> 410

<212> DNA

<213> Glycine max

<400> 10199

gcttgataca tgctgaggtt gctccttate ttcaaaacaa ggtgggttget tcaacttatac 60

ttcttcatta atgaatccat tcaaaaaagc actcttgaca tccatctggt atatcttgat 120

atcttttgtt gtagcatagg ccagaagtat tctaattggc tttagtcttg ctactgatgc 180

aaaagttttt cattgtcgat cccttcatgt tgattatate cttgagccac tagtctttcc 240

ttgttactaa ctactttate ttcatlgaga tttctcttaa agaccattt gggtctgcca 300

taccctaatt ctgttcgggg accatcgttt gatggcatgc aacctttgct tgaccgcttc 360

gaggtatctg gcacccatct gtgcacaata cataaagttc cataacgtgc 410

<210> 10200

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10200

ctaagcttct atgaagggtt gttcctaatt tctctacaat tgcacacct ctcaataagc 60

tagtgaagaa gaatgtggca ttacctgng gtgaaaaaca agagcaagcc tttgctttgc 120

tcaaagaaaa gcttactaag gcacctgctc tagctcttcc tgacttttct aaaacttttg 180

agctagaatg tgatgcctct agagtgggag ttggagctgt attgttacia ggtgggcacc 240

ctattgctta ttttaatgaa aaacttcata gtgccaccct caactacccc acctatgata 300
aagagcttta cgccttaata agagccctcc aaactttgga ccattacett gtttcccagg 360
aatttgatcat tcatagtgat catc 384

<210> 10201
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10201

agcttgata catgctgagg tttctcctta tcttcaaaac aatgtggttt cttcacacat 60
acttcttcat taatgaatcc attcaaaaaa gcactcttga catccatctg gtatatcttg 120
atatctttgn gtggaacata agccaaaagt attctaattg cctttaatct tgctactgat 180
gcaaagggtt ttcattgtcg atcccttcat ggtgattata tcttgaacc cactagtctt 240
tcttgtttc taactacttt atcttcattg agatttctct taaagaccca ttggttctg 300
ccatacccta attttgttcg gggaccattg ttgatggca tgcaaccttt gcttgaccgc 360
ttcgaggat ttggcacca ttgttgaca atacataaag ttccataacg tgccagaagt 420
caaaagagag cattg 435

<210> 10202
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10202

ntatactagg atgtttgatt gagtcccgta atatattgag acgctctaaa ttgaatgttg 60
aagctttgag caaattcaaa cgacaacaac tttttactcg gatgtctgat tgagtcccg 120
aatatatcga gacgctcgaa attgaatgtt gaacctctga gccaatcaaa acgacaatca 180
ctttttactc ggatgtctga ttgagtcccg caatatattg agacgctata aattgaatgt 240
tgaagctttg agcaaattca aacaacaata actttttact cagatgtctg attgcgtccc 300
gtaatatac gagacgctcg aaattgaatg ttgaagctct gagccaattc acacgacaaa 360
taacttttac tcggatgaat gattgagtcc cggaatataa caa 403

<210> 10203
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10203

```

agcttcaaca ttcaacttcg agcgtctcgt tatattacag gattctatta gacatccgag   60
taaaaagtta ttgttgtttg aatttgctca aagcttcaac attcaatttc gagcgtctcc  120
atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctc  180
aaagcttcaa cattcaaatt cgagcgtctc gttatattat aggactcagt cagacatccg  240
agtaaaaagt tattgacgtt tgaatttgct cagagcttca acattcaatt tcgagcgtgt  300
cgctatatta cgggactata tcagacatcc gagtaaaaag ttattgtccg ttgaatatgc  360
tcagagcttc aacattcaat ttcgagcgtc ttcatatatt acgggactca atcagacatc  420
cgagt                                              425
  
```

<210> 10204
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10204

```

agcttaaaact attaatctct taacagatat acttcatgtg tggctgtgat cgttccgagt   60
ggtgaaatta cggttntgtc cttttccttt tctgatgcag gtacttcttg aacgtgattn  120
tcaacattct taacaagaag atctacaatt acttccccta tccatagtaa gttatagcga  180
ttatgcgtat tttcaacttt gtgtggtgtt agctcatgaa tatcatgtct tgatgttaat  240
tgagattgga tccgtgaaat gttatgcgca gacatgtgtc tctgtccttt gttaacgtcg  300
gatggtaagt gaataagggt tttttttatt ttttattctg aattgtgaat aagggttaatt  360
aaaggaaata tctcgattcg cgtttctgga ttatta                                     396
  
```

<210> 10205
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 10205

acacttaaac tcaagcttga gcattcaatg gcataatgca ctctttgtcc gattcatgca 60

cataatttat cgagacgctc taaattgaac aacggaagct ctcagaaaat ttaaattgctc 120

ataactttta actcggaggt ccgattcaag cggataatat atcgagacgc tccaaattga 180

acaatggaag ctgttgagca attcaaattg tcataaatag tcaactggag gtccgattca 240

ggcacataat atatcgagac gctcgaaatt gaacaacgga agctctcaag aaattcaaatt 300

ggtcataact tttaactcgg aggtccgatt cagcacata atatatcgag acgatcgaaa 360

ttgaacaacc gaaactctta agcaattcaa aagggcataa 400

<210> 10206

<211> 394

<212> DNA

<213> Glycine max

<400> 10206

cgctttaatt gaagtgaaac actttagtta acgaggttct ctttcttggt tatagctacc 60

gtgaattttt attctgacaa caacaactaa aactaatcgg ccatgcatgg ggtagaaaga 120

acgaagctct tgaaatttat actaatttgg cccaagtacg aaataataat aagaagataa 180

aaacacttac cggaaaaagt aaatctaattg attccttggc tgcattgtcga acggctctag 240

tgggatacat tggaccacca ggagaagtaa agctatacaa acaagttttc aatctcgtac 300

tagtagtcat tctcaattcc aagcctgtgc cgtaacata aacacaagaa tggcatagtt 360

aagtcattgag atattaatag tccctgtcca aata 394

<210> 10207

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10207

ttcaattgga gcagtatgtg ggctgtcatg gccagttgac agatttatat ttcaggttct 60

tgatgactca acaaatcaat ccttaaaggt atccaattaa tccagtaaag cttcattgca 120

gattccatat gcattctgtt ggtgcaaatt tacagtaatt aagtgttttc aaacatgcaa 180

gaatgtgtcc aaatggagtg tcaaagatgg atacaaaaag gcgtgaatgt caaatatgaa 240

acaaggacaa atcgcaatgg ttacaaggca agtgccatga aggacggttt ggagaatgaa 300
tatngtcatg attgcgagaa tgtaacaata tttgat 336

<210> 10208
<211> 256
<212> DNA
<213> Glycine max

<400> 10208
ttggtcaatt tcagactgcc atattttttg acatgttgtg tgcgattgag gcacatgata 60
tatcaagacg ctccgaatta ataaacaaag gttctaaaga aattaaaacg gtcataacat 120
tgcagttgga tgtccgattc atgcacataa tatattgaga cgctcaatac tgaacattaa 180
agctctagtc caattagacg gtcataactt tttgacatgg gagtgcgatt gaggcacatg 240
atatatacag acgctc 256

<210> 10209
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10209

tacattatgt gcttgatttc ttttccttca tttgatgata aaggaacaat taatgtgtta 60
tcattggcaag gtcccatctg ctgctctctc taaaaagtgt tcacaggaga tgcttaatta 120
taataatggt caatgggtat taataatata taataaatac tgataaaaaa agtatctaata 180
aaatctttaa atatattaaa agataaacia caaatcttat attttaataa atacattcta 240
ttaatgtatt tggtttgtaa actaacactc taaagaaaat ggtcataata ctctcttgaa 300
aanatatat ttatgtttat tggaattaat atatatcaac tcattgtatt ttctattagt 360
agtataaagt gaaacacata agagtaaata atac 394

<210> 10210
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10210

ttatcaaattg gatgttaaaa gtgattttct aaagggctta attataatga agtatatgnn 60
gaacaaccac cagggttttga aatattggat aagccaaatc atgtttataa attgaaaaag 120
gcttttatatg gcttgaaaca agcccttagg gcttggtagc agcgtctaag taagttcctt 180
ttagaaaagg acttttctag aggaaaagtg gatactattc tttttataaa gagaaaatca 240
catgatattt tactagttca aatttatgtt gatgacatta tttttggatc cactaacaaa 300
ttgttgtg 308

<210> 10211
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10211

ntcaaattct tacctaccac gtaccttaga agttgttata gagtttgatt taccagaatg 60
acggcatagc acatgggctc aagatttctc tcacccatcc tttttccatc aagctctccg 120
ctttcctttg gatctctttt gtctcttcca aattgcttct atatgctggc ttatttggtg 180
aggaagctcc tagaatgaga tcaatttggg gctctatccc tctcaaaaaa tgtaaccat 240
gagggttgtc tttaggggaag acatccccaa actccttcaa taatccttcc atacctatag 300
gcaaagcaat agaataaaaa caataatcat ggggcattag taaatacata ggtagcctag 360
ctagtatcac tctctccacc tctttctctc tcatgaacaa gc 402

<210> 10212
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10212

agcttagcta cactttctct tctaattagt tatttcacct ncttgagatg agaagctaga 60
gcttagctac acacccctt ataattagcta agctacccc catgacaaaa tacatgaaaa 120
tacaacaaaa gtcctacta caaagactac tcaaaatgcc tcgaaatata aggctaaaac 180
cctatacaac tagaatggcc aaaatacaag gcctaaacga aggaacaaaa acctattcta 240
atatttaca agataagcgg gctcactatt agcccatggg ctcaaatct atcctaaggc 300

tcatgagaac cctagggcct tcccttggat ctctggccca atctacttgg agtcttcta 359

<210> 10213
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 10213

tytaaattaa attgagtcta atagaaaaaa gaatttcgtt ttataaacta taaataacat 60
 ttttacactc tcatacttga tgaaagattc aagtaaaaaa aatgcttatt gtaaagcatt 120
 atagttaaat tagacccatg aataatattt aggaaaaatt gcaattgcaa tggcactttt 180
 aatttataaa aaacattcac ctcccttttga atgatttttt taagattatg atttttttaa 240
 tgacgagtca gtaaaaaata attgtgtatg attttttaaaa aattttaaaaa tcaacaaact 300
 tttattataa ttcgtaattt gatatcattg catatactaa tagacattta tattttatta 360
 tgaaaaattt attaaaaaca atcaaataaa ta 392

<210> 10214
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10214

taagtcacct gcggcgtgca gctcaacttt atacccttcc attgttttgt tctacttaca 60
 tggacttgat ggggcctatg caagttgaaa gccttggagg aaagaggatg gcctatggtg 120
 ttgtggatga tttctccaga tatacctggg tcaactttat cagagagaaa tcagacacct 180
 ttgaagtatt caaagagttg agtctaacac ttcaaagaga aaaagactgt gtcatcaaga 240
 gaattaggag tgaccatggc agagagtttg aaaacagcag gtttactgaa ttctgcacat 300
 ctgaaggcat cactcatgag ttctctgcag gcacacacc acaacagaat ggcatagttg 360
 acaggaaaaa caggactntg cangaagctg ctatggtcac gcttcatg 408

<210> 10215
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10215

gcaagcttag tcctagaagg gacggacctt nttgtgttta gagaggatct ataacaatgc 60
ctatagattg gacctcccag aagagtatgg agtcagcacc acttttcaca tttctgattt 120
aattectttt gcaggtggag ctgatattga ggaggaggaa caaacagatt tgaggtcaaa 180
tcctcttcaa ggggaagggg atgatgctat cctccctagg aagggaccag tcaactagagc 240
catgagcaag aggcctccaag aggctagagt tgctgaataa ggccctaggg ttctcatgaa 300
tctcaaggta gattttctgag cccatgggcc aagggtgggt ctgttagtgc ttagctntac 360
taagctntaa aagattgggt aagaatttgt taaaacataa gcaattanac aatgatggaa 420
agctggagtt gctgcacatg atgtccaacg ttatgtcaaa gaataagatc 470

<210> 10216
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10216

tctcgggctc tngcacacct attttaaagt ccttcttatg cttttgacct ttctcttttag 60
gggctacatt ttgttcacca acttttttct tgaaacagaa gaacactact aagagacctg 120
gaagaaacag caatgtgaca cccccaaaa ctattgctat tggtgctccc ttgctcattt 180
tcctgtttga tagatcactt ggtctttgag agactgttgg tggagacaat gtggctcttag 240
gggaaactga ataacattgt ttcaaagggtg ctccacataa catcaaattc cctctatatg 300
aggaggcagg aaacttatgg agacctgaag gaatagatcc attcaagtag ttgaagctca 360
natccaaatc cttaaggcta ggaagggtaa catcaggaat acgtcctgtg agagag 416

<210> 10217
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10217

ctcctcatca aagagnttat catccacatt aaacaattgg cttactagtt gattgaactt 60
gttgatgtgg ccatggagat ctccttccat ctctattttg agttgataca actccatctt 120

caaacaaagg caattggtaa gcgactttga tgcataagata ttctcgagct tctcccacaa 180
 agtettegggt gttgtctect tcaacacatt gtgttgatc tcgggagcaa tgactaacgg 240
 aatcgtgctc acaaccctcc tttggatcct agtccactca gtttcattta tagaagccag 300
 cctatcatct tctaacgcct gatc 324

<210> 10218
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10218

ccttatcttt atcagtaaca agcacatttc cattcacagg tttagcgaca tcaacatcat 60
 cacttgagcc ctcactttca atgtttccat tatccagtaa tatcatgcct cttttatttg 120
 gacattgaga agcaatatga ccaactcctt gatacctgaa acatttgata tcatgggatac 180
 tagaagatga attaatttcc attttacctt taggtgcagc aaatgaattt ttggacttag 240
 cttcatcttt tgactttgtc atagattttt tgttttgccca atttgacttc catgaataag 300
 tggaatcaaa tttggaagta ctcttagctn tcaattgcct ctccacttga atagatntat 360
 gcagcaagtc ctctatctcc acataatgat gcaattctac cacattagtt atctcctcct 420
 tt 422

<210> 10219
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10219

catgcaagct tccttaagaa gattcctaaa gaagctatat cttagctata cacttctctc 60
 taatagctaa gctcacctca ttgagatgag aagctagagc ttagctacac accnctata 120
 ataactaagc tcacccttat ggcaaaatac atgaaaatac aaaaaaaatc tctactacaa 180
 aagactactc aaaatacctc gaaatacaag gctaaaaccc tatactacta gaatggccaa 240
 aatacaaggc ccaaacgaag gaaaaaccta ttctaattt taaaaagata agcgggctca 300
 tacttagccc atgggctcaa aatctaccct aaggctcatg agaaccctag ggccttcctc 360

tggatctctg gcccaatcta cttggagttct tctatccaat gcccttgagg ngtagggaatg 420
catcactaag tctccagcat tggtttc 447

<210> 10220
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10220

agtcacctgc ggcgatgcaag ctctccctct ntgaacaaat acccctcttc caaatagaat 60
ccttcttctg cctttttccc acaactctca taaatgggag agaaatgttc atctaaagca 120
tacaagtccc tactattatc aaatcctaaa atttgagctc ctaggggagca aaacaatgtg 180
tgtctcttag agagggcatc agctaccaca tttgtttttc ccttnttgta tttgataaca 240
tatggaaatt gctctaggta ctctacccat tttgcatgcc tcttgtttaa cttgctttgc 300
cctctaattgt acttaagtga ttgatgatca ctatgaatga caaattcctt ggaaacaagg 360
taatgttccc aagtttgag ggctcttatt aaggcataaa gctctntatc ataggtggng 420
tagttgaggg tggcactatc aagtttttca ctanaataag aaatagggtg cccaccttgt 480
aacaatacag c 491

<210> 10221
<211> 267
<212> DNA
<213> Glycine max

<400> 10221

ctaagttaaa ctgaggttca tctgtagatc cctcatgtaa gactagactc agctcaagta 60
gcttactaaa gtttagccta atttagccta agcttcgtct gcgatgggtg aatttttacg 120
aggaggtggc tcgcggtggg ggcggtggac agttctgatg atgaggtgga agaaactgac 180
gaggaatgca tacacaacga gagtgccacg tgtctaaatg aagacctaac gactaacaat 240
gatgcagccc agatatatgg accttta 267

<210> 10222
<211> 436
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10222

agcttctntg cacttttttc atttgaattt cttaattagn tntggacatt actttgtttg 60
acataggaag atgccatggt tcatttgctt gacttgaagt ccaaggaaga aggacaattc 120
tcccatcata gacatctcaa attctttntg cataaagttg gaaaattcct tacacaaagc 180
ttcattaata gcaccaaaga ttatgtcttc aacataaatt tgcacaatca acaactcatt 240
atttgatctc ttgataaaca atgttttgct aacttgacct cttacaaaag atttctaatt 300
taggaaattg ctcaatcttt caaaccaaga tgtaggttct tgttttaaac aataccgagc 360
cattttcagc ttgtaacatg attagatgtg tgaagctaca aacctagagg tggctacata 420
tatctttctt catgat 436

<210> 10223

<211> 369

<212> DNA

<213> Glycine max

<400> 10223

tagactaagt tcagcctacc atcctcagac tgattttcta ctgaacagac aattcaatcg 60
tcggaggacc ttttgagggc atgtgtctta gaacaaaagg ggagttggga gagttatttg 120
tcgttgatag agttcaccta taaagaccta tatggtataa ggtgtaggac acccctacgc 180
tagcttgagc ccaagagaaa cctcacctta gtgcctgaag tggtagcata aactactgag 240
aaggtttaagt taatccaaga gaggatggtg actgctcaga gtaggcagaa aagctatcag 300
ggcaagagga ggaaagtect ggaattcaag gttggtgatc atgtattctt aagagtcact 360
ctatggact 369

<210> 10224

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10224

gaacttaaat ctcagcttaa cactcgtttg atgggtgcac catcttgctt gttgggtgcg 60

gatatgtgtg aatcaataat attc

384

<210> 10227
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10227

aactcaagct tcttagtttc agatgatgca gatggggttg gagctttctc atgcattctc 60
tctaatact atggcatcat ttctggcgct aaactgctgg gagttggagg ccattctctc 120
aattaaattt ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcacc 180
tatcatactt ctctccatat tactgagtcc ttcataaaaa tattggagaa gaaactgttc 240
tgaaatctga tggtagggggc aactggcaca tagtttctta aatctctccc agtactcata 300
caggctctct ccaactgagtt gtctaatacc tgagatatcc ttctgatgg ctgtgggcct 360
ggaatcangg aaaatttttt ctaagaatac tc 392

<210> 10228
<211> 394
<212> DNA
<213> Glycine max

<400> 10228

tcaagaaaaa gatggcctca gcaaatttct tattttttta ttggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatata tgggaagcca ttgaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gactacaata caacctaaaa gccaaaaaca 300
taataacatc tgccctagga atggatgaat atttcagagt ttcaaattgc aagagtgcct 360
aggaaatgtg ggacactctt cgattaacac atga 394

<210> 10229
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10229

gcttcctcag gagtcacaat cttcattctt cttgtaagac atctttttat cgcataata 60

ttagtggata ttgcctctcc ctagtagcaa tgaggcaatc ctattccttt caacatacat 120

cttgccatat caagcaaagt tttgtttctc ctctctacta acccattgtg ttgaggagta 180

tatgggggtg tcacttcatg ttcaatgtct tttatcttac aaaactcatg aaaactcctt 240

agaattatat tctccccctc catcagtcct tagaatcttt aattcatgac cactttgtct 300

ttcaaccagt gcacaaaaat tcacaaatac tgaaaacact tcaactcttt cattaagcaa 360

gtacaaccac acctttctag ttaattcatc aacanaggtn gtgaaatacc tgtttcccc 420

aatgatggag tcttaattgg accacacacc tatgaatgaa ccact 465

<210> 10230

<211> 411

<212> DNA

<213> Glycine max

<400> 10230

aactcaagc ttggttatct ccttcttcac tacaacaaga atcaccgggt tgagtcttct 60

ttgtggctgt cttactgggt tagctccatc ctctaaattt atttgatgca tacatgtgga 120

tgggctaata ccaggaatgt cagtcagggt ccaacctata gccttcttat gcttcttgag 180

aactgacaac aacttctcct cttgctcatc agcaaggagg gcagatataa tcaactagaaa 240

actcttgcta tcatccaagt aagcgtattt taaatttgat ggcagagact tcaattctgg 300

tgtggtcggc tggacagtgg tagaaggaga tggtttctca gcctttacct cataaagaaa 360

gtcagaggta tgtgtacttc ccgaaacatg gttagtctta tctgactcta t 411

<210> 10231

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10231

agcttcttat tcatattttg ttggtacata ttgcttntta ttcacataac accaatagta 60

ttccatttat aagcagagat tgacgattca aattacatat ttataagaga ccaaccaaac 120

acaaagcaac cacagcttat aacacccgta acaaactcta gaacatttga atttgcaaag 180

gcggggccatg accactttat tctaaaactt caaacacaaac acatacttat tattttattga 240
 tacatgtatt acagctatct ctgcttgaag gttatgcatg ttgatctcac ttgcagctgc 300
 atgggtcgca agtgcagttt gatccacagt tgcagccacc gttctcagct gcaacaccca 360
 tttcagcacc ctgcaattgg gccttcaccg gcccaacacc caaaactaga gtctcatttg 420
 tgatcttctc 430

<210> 10232
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10232

agcttatgac aatttgaaat tctcgagagt tttctatgat taattntgag cgtctcgata 60
 tattataagt ctgaatcgga cctacgtgtg aaaagttatg accatttgaa ttttttgaga 120
 gattccgttg ttcaatttcg agcgtctcga tatattatgc gcctgaattt gacttgctg 180
 tgaaagggtta tgaccatttg aatttctcaa gagcatgcgt tattcaattt cgagcttctc 240
 tatatgtgat gcgcctaaat cagacatccg ggtaaaaagt tatgaccatt tgaatttctc 300
 aaaagcttcg gtagttcaat ttcgagcatc tcgatatatt atgcgcctga atctgacatc 360
 cgtgtaaaaa gttatgacca ctttagttta tggggagctt tccgttttca attgctagcg 420
 tctctatat 429

<210> 10233
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10233

cttacttagt catatggaga tcccaaagtc acaagggttg gacatcctta tatacgctt 60
 ctccaaatc aatgccaaact ttggcatttc cagatgcatg ttctgcatac agagaagata 120
 tgatctccat tgcattgaac ccagcattct cagccaaagt tctaggaatc atttgaaaac 180
 ttttagcaaa ttttgctata acatattgat ccaacctgca gggccattga aaatgtttag 240
 tccatcccat tccogtgtca aataccaaat aagcattgaa caaaataaat taagtccaat 300

gaatagagac aataagtatt tccaaataat acacagtaat ggtgccgggt taaaaagcat 360
ctagtgaata gagatagtaa ctatttccaa atattacaca gtaat 405

<210> 10234
<211> 390
<212> DNA
<213> Glycine max

<400> 10234

tggaggacaa aacaaagtag tgtacaagtt cttggttcta tggcataccg tgctcctcag 60
catttgcttc ggtgtctccc taagattggt cccaaattgg ctgaggtata acatgaagca 120
aacattatct ttcacttcta aattcctttt aagctataga ttgcattacc ttaaccctac 180
tcagtatttg aagggtttga ctgatacaca tcctaaagtc cagtcagctg ggcaaatggc 240
ccttcaacac gttagtcttg acttacgaac tattctatcc atttgattcc tgcttgcttc 300
tgtgattaat gtttttaatt ttcattgttt ttccaggtag ggaatgtgat agagtcacaga 360
aatatctggt cttgtcccta ctctacttaa 390

<210> 10235
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10235

tgcaagcttg aggcgtagaac ccaccatttt tagtattata acacctgtta tgtgtctact 60
atcattgtaa tcattctcctt ctccaccatt tgnngcacta cttgagctgc caggtecttc 120
cacctctggg cgtattctctg gaatgactca tgccccctct tgcacaagtt ctatagttgc 180
actctatccg gagccatatt agaattatag tgatattgcc taacgaacgc aaccattagg 240
tccttccaag aatggactcg agaagggttt atattagtat accaagtgc aaatgctgat 300
tcattggggca agtagtcccc ttatacttat caaagtccaa gaccttaaac ttcagaggaa 360
tgatgacatc aggcactagt cacaactccg cctccttcaa tggccctcag cctntcctct 420
atatgatgca aatttccgct ttctaccata gcaa 454

<210> 10236
<211> 454

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10236

 agtctcacga ttgttttatg ttgatgcaac tatttgtag ccgggctata cgagacatct 60
 tgccaaacaa agtcagggtta gccataactc gcctgtgctt tttcttccat gccatatgta 120
 gcaaagtcgt tgatcctgtc aagtttaatg agctggaaaa tgaggctgca attatattgt 180
 gccagttgga gatgtatttt cccctgcct tctttgacat catgattcac ttgattgtgc 240
 atctcgtcag agaaatcaaa tgttgtggtc ctatttattt gcagtggatg taccagttg 300
 agtgatacat gaagatctta aaagggata cgaataatct atatcatcca aaagcatcta 360
 ttgttgagag gtacattgca gaagaagcca ttgaatcttg ttcagaacta cattgaaagg 420
 ctaaanctg tggccttct gagtcttgac atga 454

<210> 10237
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10237

 agctngacat ctatatctat aatttgtttt atttatTTaa aatttagtgt tcaaatagta 60
 taaaaatgga tttatatTTc taatattaat agtttaattc gctttctcgt ttatatTTtc 120
 atgttactat tatccttgta tattgaattn taaaattgta ttagaaaaaa ttatttaata 180
 tttcacattc taggtttata ctaccatcaa ataatgttta atttactata atataattta 240
 tagtgatttt aaataacagc tagtgtactt aatgtttgaa gtcccagtat atcaacattg 300
 ttgtctcaac aactacattt catatttggt tatgaatgta tctgatgaaa gagtctgtct 360
 tatatatgtg agaacaagag aataactaat gactattaaa ttctattatc agtagttgag 420
 attagaaaca atctagctaa atgact 446

<210> 10238
 <211> 343
 <212> DNA
 <213> Glycine max

 <400> 10238

tcaagcttgc tcgtcttgc gatatttata atgcagactt ttctgatgat gttcgatata 60
aattagggat caacttgaaa cttatgtgct tcaagtgaga agaaatgctt ctttttccac 120
ttgtgaagat gttcaaagtt tggctatgaa gatgggtcaa actgagaaac atttggtatt 180
tccattgggt tataaaactta ttgagctagc ttgatattg ccggtgtcga caacatccgt 240
tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga 300
tgtgtggttc aatgacttga tggatatgta caccgagcgg gag 343

<210> 10239
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10239

gagaattgca ctaagcaatc actacgcatg gctccaagct ccacggtgaa ggacgcatga 60
actaaatcgc cattcatggg gctcccgaaa aggggtgagg atggcgaatt gcaactaagca 120
atcactatgc aatgctccaa cctcctgcgt ggaggacgca tgaactgaaa cgcaattcat 180
ggcgtccca aaaaggggtg aggatggaga attgcactaa gcaatcactt cgcattggctc 240
caagctcgtg ggtggaggac gcatgaacga aaacgcaact catggngctc cgaaatagga 300
ttgagaatgg agaattgcac taagcacatt acggcacatg gctccaaact cat 353

<210> 10240
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10240

ntccatgaag aagaagtttg gaggtatagg attntgtaat ctctatggat tcaacctagc 60
catgttagga aagcagggtt ggaatttgat taataaccca catactacaa tttataaaat 120
tctcaaaaat aaatattatc caaatgttgg attcttagat gccaaactag ggcataaacc 180
aagctataca tcatatagta tttttgcttc acatatattg gtcgaagaaa gcaattagt 240
cagaaaaagt gatggtagct ctataaacgt ttggacccaa ccttgggtgt gagcatcaac 300
aagcccatat atcacttcat caaccctgct cgatcttgat gatctcaaag tcagttcact 360

catcgacaac caacaacgat gttggcgctca agatgtgcta caacaaat

410

<210> 10241
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10241

gctcgccgcc acggagtnt tgcactatgt tcttgtgtgg nggttctatc tacaaaagga 60
gagagcaaga aatgaagagc caatgggtga tacatgggta gagatgaaaa ggatcatgag 120
gaagcggat gtgctggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
ctaaggcaac aaggggggtg aggagtat tcaaggaaatg gatgtgctta tgattcaagc 240
aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
tatctgtgat attgttgagt tgcaggagtt tgttgaaatg ggtgatttgc ttcacaaagc 360
aatccaagta gagcaacaat taaaaaggaa aggagtggct aagaggagtt ctaccaac 418

<210> 10242
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10242

aaactcacgc ttagatgttc taaatttntt tattatgtga tattatttcc cattttctat 60
actatgctag caaacatgaa tttaatgtat tgtttaaaat ataatat ttttttgaa 120
aaatctcaat gtacttatat ttatattatt ttgatttaga tgtttataat gtttatgtgg 180
aaaacctttt ttttagagta tacattttca ttgtaatttc atttgtaatc ttgtttagtt 240
tctctgtaac agttagtttt tcatttatga tttagtttct tgctgactca gcagtttagac 300
acttattttt tttaaatatt tatattattg gatcagtaat ttgaaacaca ag 352

<210> 10243
<211> 410
<212> DNA
<213> Glycine max

<400> 10243

atctgggtccc taaaaaggat gggacatggc tgtataagca agcttcatga tgatgaatca 60
 agatcgagtc atggagtttt gatgatgcc aagaatcaag agtcaagcaa attccaaaga 120
 ttcaagaatg aagctccaag aatcaagatc aagattcaag actcaagatt caataatcaa 180
 gagaggactc aattaagata agtattaaaa agttttttca caaactgagt agcacatgaa 240
 tttttctcaa aaccttttac caaagagttt ttactctctg gtaatcgatt actagattat 300
 tgcaatcgat taccagtagc aaaatggttt tcaaaaagct tactaactga atttataacg 360
 ttccaattaa tatcaaaatg ctgtaatcga ttacaagtat tttgtaatcg 410

<210> 10244
 <211> 246
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10244

gcttctgggc tgagctngga atngacattg ttattgaggt ttattcccca tttcttgact 60
 tatttcaaac acgatccaat attgtttact tattgaagag ctccataaaa gaacaatgag 120
 tgagattttg ttcacggaac cggagtgttt gtggatggcc ctgtggctgg cgaacacatc 180
 caagcacgtg ctaaaaagggt tatcatcact gctccagcaa aggggtgctga tattccaact 240
 tatggt 246

<210> 10245
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10245

catacttcat atggatcaac tttcacngtt attgttttgg atcgccaaaa aaaaaacaat 60
 ttataatata atttattcta attcatgtat aaataaaaat aactattttt ataatgttta 120
 agagaattaa ttgaaataat ttaattttgt taatctgaag taaaatataa aattattcct 180
 aaaatgtcat tatttgaaat ttgatatcat gaataaaata aaaattttga aaatacaatt 240
 gtaattaaac aaagaatggt ttaagaatca tattattaat tatggacaaa attatttgag 300
 tccaacatac aaattaaaaat aactgttttg cttatatata aatgcaaaaa actacaaact 360

aaattaaatc aaaccaaaca aattaaatat aactattttg gatttaattt tattttt 417

<210> 10246
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10246

ntatgcaagt caattntcag gaggcacctc ggagagaatc tttntcggac ttatntgcgc 60
aaaatctctt gaactaggaa gatgttgctc atcatcttct tgttcttaac gaaagcagtt 120
tgagtttccc caataatagt ctcaagcact ggggctatgc ggttggccag aatttttagac 180
acaatcttgt ataacaaatt acagcaagat atgggtctaa aatgggtaac ctgngaggcc 240
tgatcatgct taggaataag cgcaataata gcatggttga gctactttag aatttttcca 300
gttgtaaaga attcattaac cgctgcaaag atatcatcac caatgatatt ccaagccttc 360
ttgaagaata aaacattgaa accatctggc ccaggagctn tattgttatt catcacagaa 420
at 422

<210> 10247
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10247

gcttatatat ataaaaagat atatccttta cttatttaaa ccaaanacaa ttttgatatg 60
tgttgggtta tgtaattttg aaataaaaaat atatagaaag ataaaacttg aaagggtata 120
tatagaaagt tcataaagtc gtaaaagatg aatatataaa aatgcgtcaa agtacatga 180
tgaagatagg gtgaacagaa gttgggttaa gtgaatnttt gacaacggaa accaaaataa 240
taaaataaaa aaaaaaagaa aaaagctatg gaaaacttgc gtgtcccaa agctatggtt 300
tgtagtctga tgcagagctg ctgagataag gatcatcaga tcgaatatct tcctccatac 360
tgcttcttc tctgactata tggattccaa ttgctntaat gactgagctc tctaactct 419

<210> 10248
<211> 401

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10248

 agcttgtgct aagaangctt tatccatttc atcatattnn aagaaaattg aatgtcatga 60
 tccatcactt ctctgcatat atatttagta ttaagatgtg taccaacaat cctaaaatgt 120
 tctgtgcaga tattttccat tgaaagacac tacacaagat tagagactcc gaaattaatt 180
 trgttttatg ccaattgcta ttatgctttg ttgtgtcttg ctaaattgcat atttaatttg 240
 aagcaacttc attatTTTTg tgttatctgt taatggttta attggataat agtttacaag 300
 ccacgtaata tataatttac atatatgtgc agagatgtaa tattgtcatg taaattttaa 360
 tatttaatta ttgttatgtt agagtatgtg catgcaattg t 401

<210> 10249
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10249

 actcagctag cctagaatta acaaggaatg ttatcatata ttcaattttc attaagtagg 60
 aataatactt gcaaatgaac cacacctgca taactgatga agagctgagg ttcttaaaag 120
 gtaagctttt gaaagggttg ggtttacttc tatcgagca tttagatcat caagtgccta 180
 tatataatct ttacttttta tgttctgtga tgctgtctca aacaactcag caacattatc 240
 aggttttcga tetaatcaca tccaaaaaaa caaaacaaat acagttcagg cctcgaagag 300
 gcgtangagg tgcattgtgc angtgttgcc ctctgaccac accgaggaga cgccaacctg 360
 cgacttgccc atgttgcctt cggagagacc cacaccatgg agcatggcct gngaagtgcc 420
 ctangacttg nngctcgtga tgcggaagtt gtacctg 457

<210> 10250
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10250

tctaagtcac ctgcggcatg caagcttcag gcaatcctac nncagagaat ttcactttta 60
catctattec aaangetgag ntttctactt caaatgctac tgtcaataat acttctaata 120
ttgtttcaaa ttctgatggt accctctcca gtagtgctaa tctttggcat gctaagttag 180
gtcatcctaa tgagcatgta atgaaaatta ttctcgaata gtgtaataat tctcaactga 240
ataaaaacat cacagagttt tgttctcttt attgtatggg taaagctcat aggttacccct 300
ctcagggtc aacttctgtt tattcacctt tagaattcat tntcactgac ctatggngac 360
cctgccatgt tacctcttat gttggctata catatgatgt ttccttcatt gatgctctct 420
ct 422

<210> 10251
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10251

agcttgacca ataaagacag tatcatatta tactgttggg natnaatagg ctctttctgt 60
tttcccacca agtagctttt atacagattt ttcgaaatgg cctctctcat caatccagtg 120
agaccttcac ccacaatatt aaagagcaaa ggggctagag ggtccccttg tctcagacct 180
cgagtagggg caaattcatt agtagggcta ccattcacta aaatggaaat agttgctgat 240
tgaaggcatg cagcaatcca ttgcctctat ttagtgcaga agcctaattt tgacagcata 300
tagtccaaga aagaccaaga tacagaatca tagcagattt acctgggtta gtttactaaa 360
gggtaaattt caagtctat ccttagtaca gaatttcata gctnttggtg aaagacag 418

<210> 10252
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10252

agctttntgc tttacgctat atgaacattt tttgcttcca acaatgagaa ggtgaattcg 60
tggttcttgc actttctcat gatttcgtgg ttctcgtgaa aggtaaggca caagcaataa 120
agggacaatt agagtcttat acagggacgg ggtaatatta actgagaagt gttagaaata 180

tattattttt aatagattaa aatttattga aaaatataaa ttttttgtat tattaatat 240
gactagttaa gatacccatg taatgtaaat tttttgtatt attaaattga attatatgtt 300
ttcaaaaaat agttaaatac tattgaataa aagaaaatta ttaccgatgt aagagaacca 360
ttgtcaatgt taaactatta aacaaatgta atataagaaa tgttattcta gt 412

<210> 10253
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10253

agcttccgtt gttcaatttc gagcatctta tatgtgtata cattagaanc ggaaatccga 60
gtgaaaagtt atgaccattt gaatttcttc atagcttccg ttgttcaatt tcgtacgtct 120
cgatatgtga agtgctgaa tcggacatcc gagtgaaaag ttatgaccat ttgaatatct 180
cgagagcttc cattgataaa tttcgagcat ctgatattgt gatacaccag aatcggacat 240
ccgagtgaaa agttatgacc atttgaattt cttcatagct tccgttggtc aatttcgtgc 300
atctccatat gtgaagcgcc tgaatcggac atctgagggg aaagtattga ccatttgaat 360
atctcgagag cttccattga tcaatttcaa gcgtctcgat atatgattcg cctgaatcgg 420
a 421

<210> 10254
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10254

tcaattggag tcttgtcttt tacagactta ttagacatc tgtngagtat gtaaacagca 60
gtgtagactg cttcagccca gaatgtgtta ggtagtcctt tacccttgag catcgatcta 120
gccatttcta taactgtgcy attctttctc ttggacactc cattttgttg aggagaatat 180
gcgactgtaa gttgtcgtc aataccttca tcttcacaaa atctttcaaa ctacgcgagag 240
gtgtactctn tgccgcgac acatcttagt acttttatcc attttccact ttgattttca 300
gcaagggcct tgaactttnt gaatactcca aagacttctg atttttcttt tagaaaatat 360

acccatgtca ttctagagaa gtcacatg aagagtatga agtacctgtt gttctcatgt 420
 gatggcgctcc tcaatggctcc acacatgttc gtatgtatca gctctaataag aattttcgct 480
 c 481

<210> 10255
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 10255

accacattca atgttcccat caaaacactc actatcctac ggaaagattg cctaacagta 60
 ttacacacaa atggaagctt ggtaacctat tgtatgctct caacacaatt tcaatgaaag 120
 gcctttcttg taaaaaactt gaaacctatg actgtacgta catggctgat taaaaatta 180
 caaaacggtc cttaatactg gtggctcttc tttctttggg gactcactca aacactagtg 240
 cttgtgactc caatatttct tgatgtggac ggacccttct ttcttgact 289

<210> 10256
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 10256

cgcataaaat atcgagacgc tcgaaattga acaacgaatg ctcttgagaa attcaaattg 60
 tcataaacttg tcacacggat gtccgattca gctacataat atatccagac ggtcgaaatt 120
 gaacatcgga agctctcgac aaattccaat ggtcataact tttcacaagg aagcccgtat 180
 cttagcgcac acgtatcgag atgctctgaa ttgaaaaccg gaagctctca agaaattcaa 240
 atggtcataa cttgtcacac ggaagtccga ttcagacgca taatatatca agatgctcga 300
 aattgaacaa cgaatgctct cgagatatca aatggtcata acttgtcaca cggaagtccg 360
 attcatgtgc ataacatctc gacacgctcg aa 392

<210> 10257
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10257

agcttccccgc atgtattaag agacggagta attggaattg ncaagagaaa gctctcggtg 60
accacactgc caaaagaaat tagtagtata atttatcaga aatgatcggt tgaaaacaat 120
tagatcatat tagccttatt tttatttaat gaaaaatata actattaata tagatattgt 180
gaatttatac attaagatta tgacatatta tattaacaaa caatttaggt aatataaaat 240
attgatacat tattaatatc aaatatttgt ataatatgtc atattattaa tgtaaattct 300
catagtctat attacttatt aattaattta atttttcata ggcataaaaa tacaataaat 360
taaagtaatt ctaacgtctg acaaataatta attatctatt agtaaatac 410

<210> 10258
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10258

agcttgaaat ttaacaacgg aagccgngtg atatttttag gttataacna ancacacgga 60
ggtccgatac tggcgtatag tatatcgaga agtcataat tgaacaagga gagctctcaa 120
gaaattcaaa tggtcataac tcttcacacg gaagttcgat tcacgcgcac aatatatgga 180
gaagcttgaa attgaacaac ggaggctctc gagaaattaa atggtcataa tttatcacac 240
ggaagatcga ttcaggcgca taatataccg agacgctcga tattgaacaa cggaagctct 300
cgacaaaatc agatggacat aacttatca 329

<210> 10259
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10259

agcttaacag tagaattggt tatctggata atcaaaccat cagtcacaag gccgcatgcc 60
aaagtacaga cattaggttg gaaaccaact gaatcagtca catcagtaaa acttaagcca 120
actgacaata ttctggtttc ctcaacaaat gatagaacca gaaaagaatg gtgtgaatcc 180
gtaactctca ttcggaccgt ccaagtacca gttaccctct gatatataga agcagtccta 240
tgtagatttt ccacattaat accatttcga ataatcctta atgaccctct tgggtgccaca 300

ccacagcaag caaacatttg atcttgcttc tcatcatgat aatctacaac ttccatatcc 360
aagaatggtg caatgttttg aatanggttt atatagcac 399

<210> 10260
<211> 354
<212> DNA
<213> Glycine max

<400> 10260
gagcgagagc tataccgagc caccctcctt caccacgaac ttcgtcacgc tgggggtgaat 60
atccatcgag tgcgccttaa cgtcgccaaa ttagtcagtc ttcgccacga accggaagaa 120
ggtaggggcc tactccaatg gcacatcggc gtcagagcgg aaaggaaact ccatcacaca 180
actgaacacg tgcgggagtc actgaagcat tttgccagcg atacccaaca gtggctgaac 240
atacgacaat ggattgcccc cgtcgccacc gaattggata tagattttga atggtttagg 300
aacaacgagg aacttatgat attgtgccac catgggacgc tacagagaaa tgca 354

<210> 10261
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10261

agcttcggcc gcgttgattc cggcaacttt aacctgtata tattgagcnc cagctagacg 60
agcgagagct ctaccgagcc accctccttc accacgatct tcgtcacgct ggggtgaata 120
tccatcggtg gcgcctcac gtcgccaatt tcgtcagtct ccgccacgaa ccggaagaag 180
ttaggggect cctccactgc cacatcgggc tccgagcgga aggggaagctc cagcacacag 240
ctgaacacgt gcgggagtc ctgaagcttc ttcccagcga tcccagcag tgctgagca 300
tccgacattg gattcctccc gtcgccaccg aattggatag agaatttgaa ttttcgagga 360
acaaggtgga ccttcatgat tntgttccca ccatggaacg ctacagagaa 410

<210> 10262
<211> 368
<212> DNA
<213> Glycine max

<400> 10262

cccataaggg gtctccaaca tcgcaccagg ccctaagaag gatgggaagg tgcgaatgtg 60
catagattat ctggacctga atcaagctag tcccaaggac aatattcctc tgacacccat 120
cgatatactc atggataata cggccaattt cgctgtgata tccttcatgg atgggttctc 180
cggatacaat cagataaaaa tgggtgccaga tgatatgcaa aagactacct ttttcacct 240
gcgggggacg ctctattata aagcgatgtc ctttagactc aagactgccg gtgcaactta 300
tcaacgggct atgagagctt cgttcacgat atgatgcacc cagaaatcga cgtctatgtg 360
gaccacat 368

<210> 10263

<211> 432

<212> DNA

<213> Glycine max

<400> 10263

ccaaccgagt acaatctttt gttatgttgc aattttatat attcttgatt atgctaattc 60
ttaaaaaata tggatattga caaaacaaga caaacaacac aggataaaaa aacaacacaa 120
aacatataag ttacaagata gattttttat cttgtatatc gcttgataaa taattgacaa 180
gtaaaataat ataaaatcta ttaaaatact tcatattagt tatcttaata taacttaagt 240
tatatttaaa gtgtttacta aaatatttct tgtatttttt cattcttaaa attagagata 300
ttaaaataaa aagaatctga tgttcttttt aaataattac gttagttatt aattttttgg 360
ttataaagaa aataaaaatg atatcgcccc caatttttta aataaacata aaatattgcc 420
tatataattt ta 432

<210> 10264

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10264

ngagaacatc cttgaaataa aagaagaggt aaagaaacaa tttgacgctg gttntttggc 60
tgtcactcgg taccagaat gggtcgccaa cattgtacca gtccctaaga aggatgggaa 120
gggtcgaatg tgcatagatt atcgggacct gaatcaagct agtcccaagg acaattttcc 180

tctgccaccc atcgatatcc tcatggataa tacggccaat ttcgctttgt tttccttcat 240
ggatgggttc tccggttaca atcagataaa aatggtgcca gaggatatgg aaaagactac 300
ctttttcacc ctgtggggga cgttctatta taaggtgatg tccttttagac tcaagactgc 360
cgnggcaact tatcaacggg ctatggtagc tntgttccac gatatgatgc accgagaaat 420
cgaggtctat gtggacgaca taatttccaa gtct 454

<210> 10265
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10265

agcttagagg gaacataaag agcctcattt tttgggtaat gggangcagn gcangcctca 60
tttcaattga tcttgctaag gaccttctcc aagtccaccc caattcttat gcattgggtg 120
ttagcaccga gaacatcact ttgaattggt actctgggaa tgacctatcg aagcttggtt 180
ccaattgttt gttccgtatg ggaggggctg ccattctgct ttctaacaaa ggctctgata 240
ggaggagatc aaaataccag ctggttgaca ccgttcgcac taataagggt tctgatgaca 300
agtgcctatgg ctgcgttgct caagaagaag aatccagtgg caagaatggt gttactttgt 360
caagagattt gatggcagtt gctggctcatg ctttgaaaac caacatcacc ac 412

<210> 10266
<211> 402
<212> DNA
<213> Glycine max

<400> 10266

agctggtaca attaaacagt ttttattata atctgatcca aactaatcct aaaacttgaa 60
ttgtgtagaa caaatcaaca gtcatagaaa cacaaatgat gagttggcat tcggcaacca 120
catcataaca tgagatgagt aatgagttgt ttctattgga atgttcacaa gaagaaaagc 180
atagaatttg agggaattga agcaaaagaa agaaagaaga aagattaaat taaaaataac 240
cttatcatag gcaaggcgtg catttgggtc agagagaatg gaataagctt cgttgagtat 300
gatggccatg tcatggccag cagggccagc aatgtcaggg tggcagcgct tctgaagaga 360

gcgatacgcc accttgacct gtgactgac acaagagctg tc

402

<210> 10267
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10267

agctntaccc tttatTTTaca ttaaccactt tttataacaa cagcacacac tctcttgeta 60
gtgtccacaa cagtctcctt agtccaaaag aaatacataa tactgttgta tctagttctt 120
ttaaactttg gcatcaaaga ctaggccatc ctaacaagga tgcactagca attgtactan 180
ataaatgtaa tataccctct atcaataaaa cttagcagtga tttttgtaat tcttgetcta 240
tagccaaatc tcacaaacta cctctctctc cctctnttac tgtttatact gcacctcttg 300
aattagtatt ctttgatgtt tggcggccct cttcagtaga gacatcttgt ggattcttgt 360
attatctaac 370

<210> 10268
<211> 419
<212> DNA
<213> Glycine max

<400> 10268

agcttcctat ataaattgaa atgaatatta attgtatgga acaatctagt ggtaataaaa 60
gtaaaataaa ggaatgtac tctaacaaaa acgcgtgggt tgaaagacat taagaaagaa 120
aaagatatac ctctcccagg tctgcgtcca tgcgcaatt caaacctgtc tgcctcttct 180
agcttcctac aagggtcaca aatacgaca ggtgaatcac cttgtccgcy taaaaccatt 240
ctttgtcgag tacaactgcc gcaaaagatt cccccacacc tctacagtg atgtgaaaa 300
ataaaaataaa attgcaaaaa aagtaaataa aaaaattttg gacaaagaat tcagtttgag 360
ttcaatcaga ttcattctta tactgtaacc aaaaaaatt cattcttata agcaaactg 419

<210> 10269
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10269

cagatagagc ctctagagac actgataaga catcttccat ggtaataatt ccaacggctt 60
cttcttcttc agygagcttt ggaaggggac ttccatctat ctccaaaata tccgagtaca 120
tattttttga ccattttctg ctccgagaac ccctatttga tgacttggtt gtatttggaa 180
agctnttcca ctgtgtggagt ggcattcttg gtttcaaagc tttctctttg ggaggctttt 240
caccatcaat atccacctta acatctctca ccgagtctat ttcagaggcg tgagacacgg 300
agca 304

<210> 10270

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10270

agcacctctn ttctcacctc ttcttctat tttgggtttt gtcgtctctg gngttgtag 60
actggcctgt tattgtcttc catcattatc ctatgtatgc agtaagcagg gctaattcct 120
ttgagattca atatatgcc accaatcgct tccttatgtt tcttcagaat gtctaccaac 180
ctattttctt cttcttttgt tagtgcatta ctgactacta tagttntagc gtcactcttc 240
tccaggaaca catacttcag atgattagc aatattttta gctctacctt ctttttttctg 300
gacggagget ctttcttttag tgtctcaaaa ccggcttctc cctcaggaat actttcttgt 360
cgatccaagt cctccaggc agtctagcgc atttaccatg gctntntcca gcgaagtctg 420
tggtgtctcg agaatactga cgtcttctct atcaatctcc tgcactct 468

<210> 10271

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10271

ntacaacaga tgccactcta tgctaaattt ctgaaagaca ttctaactaa gaagaacaag 60
tatatccaca gtgacaccat agtcatggag ggaaactaca aactgttat tcaacgtatc 120
cttccactga agcataagga tccgagcagt gtcactatac tttgttctat aggtgaagtt 180

ttagtaggca aggcctcttat tgatttaaga gccagtatta atttgatgtc gctctccatg 240
 tgcaggagac ttggagagct ggagataatg cctactcgga tgaccttaca gttggctgat 300
 cactccgtca ctagacccta tggagtgatt gaatatgttc tggttaaagt caagcatctt 360
 atctttcttg cagatnntgt ggttacggat atagaggagg atcctaaaat tccccataat 420
 ttt 423

<210> 10272
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10272

agctngagcg atgtggaaga tattgaaatg ggtnnaggta actgatcgcg tggggggaaa 60
 atggattttg gggctttaag ttatgaataa gacaacatcg gtttcttaaa caaaaccgat 120
 gttaacttta caatgttaac atcggttttt tcaaaaaccg atgttaactt tctacagtta 180
 acatcggttt ttcaataacc gatgttaaga tattaatggt aacatcgagt tttggaaaaa 240
 tcgatgttaa catcaacttg ttaacattgg ttttttcaaa accgatgtta attaagtcaa 300
 cttatttacc aaaatgccac cgtgctttta ttacatcgc ttttgogaaa aactgatgtt 360
 aagcttgcca tgttaaatca ataatttgta gtagtgatgt accacagtat tt 412

<210> 10273
 <211> 262
 <212> DNA
 <213> Glycine max

<400> 10273

agcttccaca catcattttt ctggaattgc ttctgaatag ccatttagca cctactgctt 60
 tctttccttg aggttctaga gttgtaaact ctataggcct tagatatttt aaagtatcca 120
 agtattattc cattatcaca cttagagtca aactttccca agttgtcttt aatattttaga 180
 atgaaacatt gacatctgaa aggatggaaa tatgaaatgt tgggctttca tcctttccac 240
 agttcatgtg gagtcctttt ca 262

<210> 10274
 <211> 261

<212> DNA
 <213> Glycine max
 <400> 10274
 agcttgttca ataaagacag tatcatcagc ataactgaagg atattaatag gctctttctg 60
 ttttcccacc aagtagcttt tatacagatt tttcgaaatg gcctctctca tcaatccagt 120
 gagaccttca cccacaatat taaagagcaa aggggctaga ggggtccctt gtctcagacc 180
 tctgagtaggg gcaaattcat tagtagggct accattcact aaaatggaaa tagttgctga 240
 ttgaaggcat gcagcaatcc a 261

<210> 10275
 <211> 264
 <212> DNA
 <213> Glycine max
 <400> 10275
 agctttgtat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240
 gggagagagg ataacagatg aaaa 264

<210> 10276
 <211> 262
 <212> DNA
 <213> Glycine max
 <400> 10276
 agctttttac tgaatttgca tcgttccaat tgatttcaaa atggtgtaat cgattacaag 60
 atattggtaa tctgattacca gtgtatctga acattgaaat tcaaaatcaa ttgtgaagag 120
 tcacatcctt tcataaaatg ctttgtgtaa tctgattacat gggttttggt atcgattacc 180
 agtgacaagt tttgaataaa aaagtcaaga gatgtaactt ttctaattgg tttcagggtt 240
 ttcttaagat tataactctt cc 262

<210> 10277
 <211> 263

<212> DNA
 <213> Glycine max

 <400> 10277

 catgcaagct ttttgtttct tgaataattc aaacccctta aacagttacg acggctaatt 60
 tgcttagctg gtagctgctt ggccgcacag ataatgagaa taagaactac tggaacaccc 120
 ggatcaaaag gtgtcaaagg gctgggttgc cactttatcc tccaaaagag agtttgcaag 180
 ctttgcaaga gagccaacat agccaaagct ctggtggact taatggtggc gaaaaaatgc 240
 atcctgattt cttgcagaaa aac 263

<210> 10278
 <211> 259
 <212> DNA
 <213> Glycine max

 <400> 10278

 agctttttta tcaagttacc aaatgcattt cgaagccgc gaggaagagc attcattatc 60
 ttatccagct cagtttttga atcataaaca atttttggac cccactctct cataaattgc 120
 aaccattgag gctctctgac aacatctcct agatactcgg ctgcaacaag ctogtattga 180
 atgctagaat ccacatacaa atgactacga gtagcatcat tctaatgcc aatcccaagt 240
 tttgaagacc cttggagat 259

<210> 10279
 <211> 260
 <212> DNA
 <213> Glycine max

 <400> 10279

 agctttgaac tgatattctt attattcaat gcattcctca tcttgtaaac atagtcatcc 60
 aaagcattca ttgtattagc cttcttcatg aacttcctat catcaacctg ataattctca 120
 gcttcatgaa tcattcttat aatctcctca gctgaaagcc ttttttggtc attggttatg 180
 gtaatctcat tctataacc agtggttggt tcttcacag aacagatag aaggtcgttt 240
 acatctatag taaagctaca 260

<210> 10280
 <211> 263

<212> DNA
<213> Glycine max

<400> 10280

agcttatttt tttaggctcc gtaaaaaaag gaaaatagca taaagagaca atggggtaga 60
gaatttttga aatgcttagt tacccttttg gataatatga taagtatctt cagcagctga 120
tcgcgtggct gcgacctgaa attggaagtg aaaaaataa ataaataggg caattaatta 180
aggaaagaga aagagaagag aaaataactt acagctccga tcttaaggaa accatcaaca 240
gtgagattga gaaatggatt acc 263

<210> 10281
<211> 348
<212> DNA
<213> Glycine max

<400> 10281

tggtctgaac tggtcactcg gatctctgat ttaggcacat cacatatata gacgctcgaa 60
attgaacaac ggaagctctc gagatattca aatggtcata actctaactt ggaggactga 120
gacaggcaca taatatatcg cgacgccccg aattcaacaa cagaagcact tgagataatc 180
aaatggtcac tacttttaac tcagatgtac gtgtcccgcg catcacgtgt cgatactctc 240
taaattgaac caccgacgct ctcgagataa tctaattgggc aaacttccca ctctgggacc 300
gaatcacgag catcaacatc gagacgctcg taattgaaca atggaagc 348

<210> 10282
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10282

atgtctctng gtgatggat tgagatgcc gatctnttta gtgttggcc gtttgagag 60
caagtctact ctagtgtgn tctcccttg tatgtggaac aactcatagc aatcaaagtc 120
atcaatgatg gtttttgcaa catgatagta cttgaacctt ggcttgatat ntgtttgcaa 180
cttgccctta aacaaggat gagtcagtgt aacaccttat ctttttggt ttaacttctt 240
ttgctagctt taggcatggt ataagtgcct catatttagc ttgattgttt gatgctttga 300

aattgagctt gagagcttgc tctaaagtaa cattgtcgag cccttcaagg atgatgctng 360
 tccctac 367

<210> 10283
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10283

agcttctaca ttcaatntcg agctnttcga tatattacgg tactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaaaagtt attggtgttt gaatttgctc 180
 agagcttcag tattccattt cgagcatctc gatatattac gggactcaat cagacatcgg 240
 agtaaaaagt tattgtagtt tgaatttgct cagggttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaataaa gtattgtcgt ttgaatctgc 360
 tcagagcttc tacattcaat ttcgagcttc tcgatatatt acgggactca atcacacatc 420
 cgagtaaaaa gttat 435

<210> 10284
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 10284

agcttgaacc aggataacag tttatatcta tatcaattag agtttatcga agtagaagat 60
 accacaccat ggcaagctaa tgtaacttgc tccaagggca aagtttccaa tccatccatt 120
 ttgttttaac tagaaagaaa tgtagaactt ggtcaaatga tcaaaataag caagagaaat 180
 agaaaatata aagaaaaaat caggacaatt aaaaaaaaaac tacctttaaa ggaggcgcag 240
 aatatatata agacagtatg gctccacca ctgcaaggta aaatactata gggaaatcat 300
 gccctgcttg taaaagagaa tacttttacc aatcaagctt ctgataaaaa acgaccatga 360
 gactattgtg tattgtaccc acccatatgt ccaatatacc agccagagaa agaccaccaa 420
 gcagcaacac ccatatttga gtgattacct g 451

<210> 10285
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10285

```

agctntatct aanattntgc attntgtatg atagatgttc tctctttggc attgagatag   60
atcacaagat tgacctccaa ggagccttct aaccattagg aggtcacctt cttcatgggg   120
gtagacttcc tctactagact ctttcacccc ttacttcac ttcacttcca ctagaggaag   180
aggaagaagt agtctcctct tgactactat aaatgtcttg acccctcata atcatgggtt   240
tctttatggg gcattgagag gcaatgtgac ctctccaag acatttgaag catttaatgt   300
ttcttgttct ttcttgggaa ctagtcttag ggggtgattt ctctattgtg ttaccttat   360
cttcttggg ttntgaaagt gcagcccca aaattccttg gagtttgtcc ttccttggat   420
aagagtga                                           428
  
```

<210> 10286
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10286

```

agctntaatc aagacaaaga aattaaagat attcaagatg gatgatcaag acagtctcta   60
gagtcttagg aagggatat taaataggaa gagaattcct aactgaagta gcaaaagggt   120
tgccaagta atttaagtta aaaagtgtt ttcaagagat ttactctctg gtaatcgatt   180
accagaggat gtaatcgatt accagtgacc aaaaatgatt tacaacagct attaaaattt   240
gaattcaaaa tttgcattgt gtaatcgatt acacatatat gataatcgat taccagcagt   300
tattgaacgt tntaattcaa attntaaagc ttgtaatcga ttacacacat actgtaatcg   360
attaccagag aagattttca naaaatattc tcaacagtca catcttttca ttttgttctt   420
gatggccatc acaggcttac atatatgtga tatga                                           455
  
```

<210> 10287
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 10287

agcttctcga tatgtgatgt gcttgaatcg aacatccgag ttaaaagtta tggcgatttg 60

aatttcccgga gagcttccgg tatttaattt tgagcatctc gacacatgat ggcgatgaat 120

aggacatccg tgtgaaaagt tatgaccact ataatttctc gagagcttcg ttgttcaatt 180

tccagcgact cgatatgtaa tgcgcctgaa tcggacatcc gagtgaaaag ttatgaccat 240

ttgcatttct cgagagctct cgtcgttcaa tttcaagcgt ctcgatatat tatgcgcctg 300

aatctgacca gcgtgtgaaa agttatgaca atttgaattt ctcgagaact tcgctttcaa 360

tttcgagcgt ctcgatatgt gatgcgcctg aatcggacat ctgagtgaca agtgatgacc 420

atatcaattt ctcgagagct tgctgtagtc aatatcgagc atctcgatat ctaattc 477

<210> 10288

<211> 136

<212> DNA

<213> Glycine max

<400> 10288

tgaatcggac atccgtgtga aaagttatgt ccacttgaat ttctcaagag cttccgtagt 60

tcaatttcga gcttctcgac atattatgcg cccgaataag acatccgtgt gaagagttat 120

gaccatttta atatct 136

<210> 10289

<211> 405

<212> DNA

<213> Glycine max

<400> 10289

agcttataat atatcgatac gctctaaatt aatctttgga aactctcgag aaattcagat 60

gatcatgact tttcacacgg atgtccgatt cgggtgcata atatgtcgag aggctcgaaa 120

ttgaacaacg gaagctcttg agatattcaa atggtcataa ctattcacac gaatgtccga 180

ttcgatccca taatatgccg ataggctcga gattgaacaa cagaatctct tgagaaattc 240

aaatggatcat aacatttaac tcggatgtcc aatttaggcg catcacatat agagatgctc 300

gaaattgaac aacggaagct ctcgtcagat tcaaagtgcg ataactgttc aactgatgt 360

ccgattcacg gttatcatat attgatacgc tcgagatata acatc 405

<210> 10290
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10290

tggagnttcc aagtgccaat tegtcttctt ctttagtcca ttcttcttct ggcttcaatt 60
 catcaatggg ctttcttctt gtgtccagca tctcgagatg ttcccagcct ttgatgacag 120
 ctttccaggt tctgctatcc aatgatttga ggaatgccac catccttgct ttccagtatt 180
 ctaatttggg tccatccata atttgnggtc tattcactgg tcttcttc 229

<210> 10291
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10291

agcttgagaa ggttgattnt cgtctcanag tctgtgatga aattgtgata taattgtatt 60
 aaagcatcac cagcctgaaa atttatagga agaaccgttt gtcaaacaaa taaatntaaa 120
 ctataataag aatatgcaca tcagagtatg aatattgttt caatagaagt caacanaagt 180
 tctatcagaa gcaaaagaaa gtaacaatac tcacaaattg tgcaacataa tgaatggaat 240
 caaacataat aggtaattgt taagtagaag cattagaaaa ataatgacta aaatacaata 300
 aagttactta tagtttctca aactacgcct cttgatactg aagtcaattg atgacgtgga 360
 ttgatgcttc accacattga ataataacaa agataacaaa gactttccaa gtgcaatttg 420
 atgcctcana tggcaaaaga atccttgatg taaatggatg atagaatatt ac 472

<210> 10292
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 10292

tatgtctggg caagtataaa tctgagcata cataatactt cctaacattc cagttgcaag 60
 caagatatca tcaacataaa gaattagaaa aataacctta ctcacactga cattcaaata 120

tatacaccca tcaatattat ttttcttaaa tccaaagtaa acaatggat cattaaactt 180
 caaataccat tggcggaag cttgcttaat atcgtatatt gatttcttta attgcacata 240
 atatattcct a 251

<210> 10293
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10293

agctngctta gccgatgtag cagattctat cttggcaaag ttttgaggat ccacacactg 60
 gtgaataagg aaacgagcct tacaattcat tttcttggat tctctgaacg tactcttttg 120
 tgcttccctt gcattcttct ccaattcttg aagtccaatc gtgacaaact caagaacatc 180
 ctacattcca aagatgattt tcatttgaat gcaccatgca tcgtagtctt tccatcaag 240
 gattggaaaa tgcgctggaa actcgttccc attcatctct acaacaatga agcttcaaag 300
 atcccacact aaaaccaatc aagactctcc caacatcgat ggaacctgaa gctcgtgata 360
 ccactgtcga acccgattgc tcgctgtaca agcaaaccag aaacttgaca aatttggatg 420
 aagttgagtc ttgaatgatg aagacaagag agaaagatag ttatgaagag aatg 474

<210> 10294
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10294

agcttgatca tccactgcac aagggttcaag ctgttgcgca tgaagatgac agtggaaaca 60
 tcttgagtgt atattttcag gtggatttgt acacaaagat tcccagcatt cctcgcactg 120
 gaagtgtctc taattgggct gatgcagntg ctgaagtcaa gggagaataa ttgatcacta 180
 ctaaaaaagt atgatcaaat tcaaacttgg tgtaaaaaata actaaaaatg tccatagta 240
 tctgtttgta gatgcattgc taatgaaggg aagaagttag cactccccat ttcacccca 300
 agtaataagg ttcagagttc aggcactgca aaaaccttgt acttgaagtt gtttggtaga 360
 aatgtatgtt acttctatgt taaaaaggac ttttccagca gaatcattct tgttgtaact 420

ntataagcaa tactcgtttc ttttaattctt ctccctctnn ttcgttccat aaatc 475

<210> 10295
<211> 383
<212> DNA
<213> Glycine max

<400> 10295

tgatgccaac attggagagg ttaatgaaac aacgagatga tgcgctccat gagagggttg 60
atcaaattgga gaatagagat cataatgaag aataaaggag gagaagaggg aatgatggta 120
ttcctagaca aaaccgaatt gatggtatta aactcaacat tcttccattt aaaggaaaga 180
atgatccgga ggctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
actatgagga ggacccaaaag gtgaagcttg ccgccacgga gttttccgac tatgctcttg 300
tgtggtggaa caagctacaa aaggagagag caagatatga agaggcaatg gttgatacat 360
ggacggagat gaaaaagatc atg 383

<210> 10296
<211> 234
<212> DNA
<213> Glycine max

<400> 10296

tttccaacct ctatacatat tatgctcccg atatcaacat ccttggttaat acctatgacc 60
attaaaatat caccatattt ttcgacttat aatttccatc gtatcattat attattatcc 120
ccaatcgaaa ctcttatta aaacttatga ccattttaat ttcaccatat ctttctttgt 180
tacatcttcg atcgtctatt tttatgatc tcttattct atcatccgaa ttaa 234

<210> 10297
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10297

agcttataat atattgataa gctcgaaatt aatcatcgga aactctcgag aaattcaa 60
ggtcataact tttcacacgg atgtccgatt cgatcgcata ggatgtcgag aggctcgaat 120

ttgaacaacg gaaggctcttg agaaattcaa atggtcataa cttttcacac agagggtccga 180
 tncnggcttt atttatatcg atacgctcga aattaaacat cggaaacact caagaaattc 240
 aaatgggcat aacttttcac acggatgtcc gattcaggct tataatatat cgatacgtc 300
 gaaattaaac atgaaaaact ctgcgaaaa tcaaatggtc ataactnttc acacggatgt 360
 ccgatccagg cgaatcacat atcgagacgc tcagattgag caacagaagc tcttgagaaa 420
 tatcaatggc cattactttt caca 444

<210> 10298
 <211> 478
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10298

agcttatatt ctgcaccaat ctcttttggt ttctgttggt cgggatttaa tttattttgt 60
 tcattcctat tctttggatt ttttttttgg tatagtatca tactgtacag cttgtacagg 120
 aatgatgtaa atccttcttt aatatataaa atcttgcctt tgtctttttt aaaaaattac 180
 tctctttgca tttttttccc atttgacgca tgttttctct gataattttc tgagttcaaa 240
 ttttatttaa gacatgtttg gataaattat tttggaagga tttttaggaa taaaaataa 300
 gaagacaaaa aaaaaccttt tttattgact aaaattaatt tatgcataaa caaatgtgta 360
 gaaattntat catattaata tctctaaaaa atgatttttc atttatacat aaattaattt 420
 taactcataa aaaattcttt cactttttct ttttattgtc tcttttagga gtatatct 478

<210> 10299
 <211> 429
 <212> DNA
 <213> Glycine max

 <400> 10299

agctcgaata tcttcatttg agttatgcaa acctatccaa agcatttcat tggctacaca 60
 ctctccaatc tcttccttct ttgaccacc tagatttggt aggatgcaca ctccctcact 120
 ataatgaacc atccttgtct aacttctcat ctctgcaaac tctccatctt tcttccacta 180
 gtttttcccc tgccatttct tttgtcccca agtggatatt caaattgaaa aaacttgttt 240
 ctcttcaatt atggggtaat gaaaaccaag gtccgattcc tggcggtatt cgaaacctca 300

cacttcttca aaatcttgac ttgtctggaa attcattctc atcttctata cctgactgct 360
 tatatgggct tcacgtctc aagttctctc acctaaggga caaccacttg catgggacta 420
 tatctgatg 429

<210> 10300
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10300

cttcttctgt tcagataggt acccttttga gcttggaacta tgctcgaaat gcttttggtg 60
 atgatgatgg aaacatggcc tccttggtca tgtataactg tcttattaga gggtatgctt 120
 cagcagggtt gggtgaccaa gcaatcttgc tttacgttca gatgctggtg atgggcattg 180
 tgctgacaa gtacactttc ccttttttgc tgagtgcgtg ttctaagatt ttggcgcttt 240
 ctgagggtgt tcaagttcat ggggcggttc ttaagatggg tttggaggga gatataattg 300
 tcagcaactc tttgatacat ttctatgcgg agtgcgggaa gggtgacttg ngacgaaagc 360
 tgtttga 367

<210> 10301
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10301

agctgtatct atctgcccag ccttacaatg actcatcaat taaagctgta tatgtaacaa 60
 catttggtt ggaaccttca agcaacatca tctcaaatag tttatttgca tcaaacacct 120
 ttcttgcttt caggtatgca tgaataagag aagtataagt caccacattt ggggtgcaat 180
 tgtctcttaa catttcatca aaccaattgc gagcctgttg aataaggcca gctntgcaaa 240
 agctatcaat taaaatagta tatgtatata cactngaac aatgccattc tttttcattt 300
 ctctgaataa cananaagcc ttctctacct tggaggcatc acaaagaaaa ccaatcactt 360
 tagaatacgt actatcatcg ggaacaaaac ccttgctcat catttcgcat ataattctcaa 420
 aggctntatc aaactttcca gctccacaga gacacc 456

<210> 10302
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10302

agcttgtgag agcncctatg gtgacctgtg actgaggctt gctggcgagg tctgagacga 60
 accatgacca agtctccaat tttaaattca atatcctgc gccttttatc tgctgagtgt 120
 ttcataatta cttgggcctt cggaagcttc ttctttaagt cttgaaaaat ggactcccta 180
 ttagtcagaa actcgtcaac agcttccact ttgaggtac ctgtaacata tgatggcaaa 240
 tctggtggcc tccggacaaa ggtgacctcg aagggggaga caccagttcc tgaatggtgg 300
 gaggtattgt angaccattc ggcccaggga aggaacttac cccacgaaga aggtttcttg 360
 tggacaaaag ctggaaggta ctactcaagc acccggttca gcacctccgt ttggccgtct 420
 gtttgggggt gataagctga gctcatcctc agttgtgtgc cacttaaccg aaac 474

<210> 10303
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10303

tcagcttgca tacaagattc tccttgctg gcacttcana accttcttgt tgggtcatat 60
 agatgtcttc ctctaaatcc ccatgcaaga atgcagtttt aacatctaac tgctccaagt 120
 gaagattctc tgcagctact atgctcagaa taactctgat ggtagtcac tttacaactg 180
 gagagaagat ctctgtgaaa tcaattcctt gtttctgctg aaacccttcc accacaagtc 240
 tcgccttgta tcttcttcta ccgtcagatt cttccttttag cctatagacc cacctattct 300
 gtaatgcctt ctttcttctt ggcaatttag ttaaagacca cgtcttattc ttctgaaggg 360
 atgtcatctc atctttcatc gctagc 386

<210> 10304
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10304

```

agcttaacaa tcaatttcga ggcgtctcgtt atatacggga ctcaatcaga catccaagta 60
aaaagttatc atcggtttgaa ttgggtcaga gcttcaacat tcaatttcga acgactcgat 120
atatgatggg actcaatcag acatccgagt aaaaagttat tgcctttga aatgggtcag 180
agattccaca ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 240
aaaaaaatta ttgctgtttg catatgctca aaggttcaac attcaatttc gagcgtcttg 300
atatattacg ggactctatc agacttccga gntaaaagta ttgctgtttg aatagggtca 360
tagattcaac attcaatttc gagcgtctcg atatatgacg agactcaatc agacatccga 420
gtaaaaagtg attgctgttt gaata 445

```

<210> 10305
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10305

```

agctngaattg aggaagtgtg gaatggtaga atcagtnntg aaaactgagg ggcaagctgg 60
gcatttgtct gctagaggaa ttatagcagc tactgctatc tgaacgtgct caaacgtctc 120
acttaacatt aatagcacgt tcaactactga gccaaaacaa attcgaccgt tgcttcacac 180
gtccctctac attgctcatt caaacttata tttctgtggt aatctcgttt tcagcatacc 240
ccaacagctc tcagagattt acgaaatcat tccaaacgct ctgcttctcc atggctacct 300
caccaaaaaga aacttcagct cctgggttcac cctctgtacc atcatctcca tcatccacca 360
nagcaccatc aaaccaggaa cgacctgaat tcaatatcca gccatacag atgattcctg 420
gtcaagcccc tgttcctgaa naactgggtc ccaaacgaca acagggagt 469

```

<210> 10306
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10306

agcttgtgtc acactttcaa ctgccgaagc taaatatatt gccgcatgaa gttgttgtgc 60
 tcaaagtctc tagatgaagc aacaactaca agactttaga gtaaaccttg atcacattcc 120
 tctaaaatgg gacaacacaa gtgttatcaa tctaaccaaa aaccctgtca tgcattttag 180
 gactaagcac atagaaatta ggcatattaa atgcatcaag catagaataa cattctgttt 240
 gtacaagtat gtgattcaca ttgctattca tatcattttt tttgtttagt ttgtgtctta 300
 gttattgatt tatgtgcata ctcatagtt tgtttgaata tcacatgttt ttcttagtaa 360
 tttcgtgatt tctctttgtt ttaattgatt atgcttggtt ntaatcaatt tttgtatgat 420
 atctgttttg taag 484

<210> 10307
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10307

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgant 60
 ccattgcttc caaagtttca tggccttgca ggtgaagatc cgcacaaaca tctgaaagaa 120
 tttcatattg tctgtccac catgaaaccc ccagatgtcc aacaggatca catatttctg 180
 aaggcttttc ctcatcttt agagggagtg gcaaaagact ggttgtatta ccttgctcca 240
 aggtccatca tcagttggga tgaccttaag ggagtattct tagaaaaaaa atttctgct 300
 tccaggacca cgaccatcag gaaggatata tcanagtatta gacaactcag tggagagagc 360
 ctatatgaat actgggagag attataaaat tatgtgccag ttgccctcac catcagattt 420
 cygagcagct tcttctccaa tatntttatg aaggactcag taatatggag ag 472

<210> 10308
 <211> 177
 <212> DNA
 <213> Glycine max

<400> 10308

tctgtgaaca ctttctcttc attaccaccc caatctccca tacatcttct atctatcttc 60
 cagccacccc ttcatcacca ataaattgcc tgcatatcat atgatcccca ccacaaacac 120
 tctcattcac tcgatttgct ccacacttag aaacaaaaac tcttgacgaa tcatatt 177

<210> 10309
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10309

```
agctngatgg tcagccagag ttgttcattc acattatttc tgacaagacc aacaacacat 60
tgtctatcat tgacaatggg attggcatga ctaaggctgg taagggttaa tatttggtaa 120
gtctttgtga gattatcgcc aactgtgctt gttagttagt ctattttctc taatgcttgt 180
gcgtttgatg ttccagatgt ggtcaataac ctgggtacta ttgcctctct tataacaatt 240
tttcaactggc atgcaccatc tgaactgacg aaaacaaaaa gataatatat atatatatat 300
atatatatat atatatatat atatatatat tacgaaaaaa tagttcacat gacaatatta 360
tggaacaatat atattttaac taggaaatca tctatcatgt gtgtcatgat atgcagcgag 420
taaattntca caacctcatc aacctcaaaa ccacaatcc 459
```

<210> 10310
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10310

```
agctngaattg ctcatttgag cttatatgca tgttatttac acacaaaggg aaaggagag 60
ataactgacc aaatcttttc atggctattc ttccagaaga acgctccctt gatgtagttt 120
cgtttatagc ttggaccatc tcatttttgc tgacatatcc atccttggtc ttgtctaaga 180
atacaaatgt atcaacaaa gtctcaaagt tgcctccag ctttggcatc ccaattcgtg 240
atttctaggg aagtcatgga aaaaaatttg aagatgtagc aaaacatgga aattcaaggt 300
ttattgttat caatgcaagc atgatgaaat tctaggctgc cctgaagaaa tgcataaat 360
gtccataaaa taaaataaaa aaggaatgaa catatagaat tgaattgttc ataaagtaca 420
aacatcttct gaattataga aatgataggc gcataagctg canaaagac 469
```

<210> 10311
 <211> 474

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10311

 agctntacga tcaacaaagt ntgtcaattc atctctaate ccttagacac tcattgggtg 60
 gcagttaaac gtattctaag gtacctcaaa ggtccattt ctcatgggtct tcattctcaaa 120
 cctacaattt caggaagacc tctctccatt cgagctctct gttatgttga ttgggtcttt 180
 gatgttgatg atcatagatc aacatcacaa gtggcaattt atttgggccc taatttggtg 240
 tcttggtggt ccataaaaca agttgtgaca aggtcaagca ctggagcaga ataccgtagc 300
 ttaactcagg ctacacataa aactttatga attcaaacac ttctcacaaa actgggagtt 360
 cctttcaccg taccagtcac tttttgtgat atccaaagtg ttgtagcact aacatataat 420
 cctgttcttt gtactcaaac caagcacata tgagataatg ttttctatgt tcga 474

<210> 10312
 <211> 265
 <212> DNA
 <213> Glycine max

 <400> 10312

 agcccaagaa cttgagttgc aacctagaca ggtagccgta ttgttccaaa accgtcgagc 60
 cagatggaaa accaaacaat tggagagaga ttatggtgta ctcaaagcca attatgatgc 120
 tcttaagctt aactttgaca cctctgatca ggacaacgaa tccttacgaa agcaggtaga 180
 ataatactcc ttccaaaata taaacaaatt tcgattatct atctgactta ttaatgatat 240
 tttctccaaa ttatattgta tttaa 265

<210> 10313
 <211> 427
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10313

 agctntgaat nggtctctgg tcttaagata aactacaata agagaaaant tgggtgtttg 60
 ggcaaaccg aggactggtg taaggaggca gcatcttctc tcaattgtag tcaaattgat 120
 attccattgt cttaccttgg aattcctgta ggggtcagct ctaaaaatag gtctgtgtgg 180

cagcccatta ttagcaaatg cgaggctaaa cttacaaaat ggaagcaaag aaatctatca 240
atggggggta gaataaccct cattaattca gtcttaacag ccttaccat ttatttgcta 300
tccttcttca agattcctaa gcttgtggtg caaaagatta catctatacc aaaggaattt 360
tgatggngca gcctccaaga ctccattaag attccttgng tgaggtggga catagtctgc 420
ctaccta 427

<210> 10314
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10314

agctnggact tcctgtgttg tgggaacctc tccttctca ggtgtaccca aacccaatca 60
cctggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcattt 120
ttcttttcaa tttgaacctt cacttgctca tgcaacttct tcacatactc agcttttagcc 180
tgtgcatect tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatacac tatctcaaat ggtgaacaat tagttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag atttttcttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctattgacta cctcagtttg accatcagtt 420
ngtgggtgac aagtagtaga aaacaacaat ntagtaccaa tcttaccoca c 471

<210> 10315
<211> 361
<212> DNA
<213> Glycine max

<400> 10315

atgaagcaat caccaagtca atggtacaag agacttaatg agttcattgt ctctcacggg 60
tacatcagaa gtccctatga ctcatgtgtt tatcatagta aggtgaaaga cgattctcac 120
atctatctat tgctctatgg ggacgacatg ctcaaagcat ctcaaaattt gttggaaatt 180
cagaaggtga agtcactact caatagtga tttgagatga aagacttggg agttgttgaa 240
aagatttttg gcacggagat caagagggat aaagtccaaa agaagttctt tatgcataag 300

aaggaattca ttcaaaaagt actaactcat tctgggatgg catctgcaaa gcaagtatgt 360
a 361

<210> 10316
<211> 327
<212> DNA
<213> Glycine max

<400> 10316

tatgctacat atatctacaa cagacctcct caagctcagc agctaaatca acaacaatag 60
aacaattatg acctctccag caacaggtac aatcctgggt ggaggaatca tcccaacctt 120
agatggtcga atccttcaca acagcagcaa caacaacaac cttattttca aaatgctgct 180
ggcctaagca gaccatacgt tcgtccacca atccagcagc aacaacagct acagccccag 240
aaatagaaaa cagttgatgc tcctccgcaa ccttccttg aagaacttgt gatgcaaatg 300
actatgcaaa acatgcagtt tcaacaa 327

<210> 10317
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10317

agcttttggg aaaggaataa gaagaagaag atgttcanaa agatgttcaa aaagttatga 60
aaaaagttat taaaattcaa gtcaaggtct tgcttttata gactcttcat gtctgggtcaa 120
gaaaaccatt agaagagtta taaccttgaa aaaaacctga aaacaattgg aagagttata 180
tctcttgact ttttattcaa aacttgatcat tggtaatcaa ttaccaaaat catgtaatcg 240
attacacaaa gcattttatg aaaagatatg actcttcaca attgaatttg aatttcaata 300
ttcagataca ctggtaatcg attaccaata tattgtaatc gattacacca tttaaaaatt 360
aattggaacg ttgcaaattc agttaanaac ttttgaaatc aaactttgcc actggtaatc 420
gattacaggt aattggtaat cgattaccag agaataaaaa ct 462

<210> 10318
<211> 363
<212> DNA
<213> Glycine max

<400> 10318

tctgtccctg agatactggg tcccagaaga caacatggag tgtagattgc tgaataccct 60

agccctgcta caattcctat ggaagtatac acggagatgg acaagataat ccgcgggtatt 120

gtgagtagca ttctgaatga tgcttctgtg cctgatgctg agaaagatgt tccaacatct 180

tccaccccag atgtttctgt gcttgatgtc aataaagatg ttccaacatc ctccgctcca 240

aatgctgaag ccctcccttc acccagtgaag gaggaatcaa cagatgatga ggatcaagtc 300

tcagaggaga ccctgcacc aatggcacca gaacctgctc catgtaacct cattgacttg 360

gaa 363

<210> 10319

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10319

caagctttgg canaggaaga ggagaggaag aagttcaaaa naatgttcaa agagattcaa 60

aggttgtaaa agtatatatg aaaagttata tcaagttttt aaaatgcaag tcaaggtctt 120

gcttttatag actcttcatg tcaggtcaag aaaaccattg gaagagttat aatcttgaga 180

aaatcttgag aaaaccattg gaagagttac atctcttgat ttttattcaa aacttgtcac 240

tggtaatcga ttaccagaac catgtaatcg attacacaaa gcattttatg aaaagatgtg 300

actcttcaca attgaatttg aatttcaacg ttcagatata ccggtaatcg attaccaata 360

tattataatc tattaaccca tttaaaaatc aattggaaca ttgcaaattc agttaaaagc 420

tttngaaatc aaactttgcc acttggtaat cgatacagga aactggt 467

<210> 10320

<211> 394

<212> DNA

<213> Glycine max

<400> 10320

ctcagcttaa gaataatggc ctcagcaaac ttcttattcc cagaaggaaa ctctataaat 60

aggcctccta tttttaatgg ggagggttac cactactgga aaactogaat gcaaattttc 120

attgaggcaa tagacttaaa catttgagaa gccatagaag ttggacctta tgtaccacc 180
atggtggctg gtaatacaac aatagagaaa catagagaag agtgggtctga agaagaaaga 240
agattagtac aatacaatth aaaggctaaa aacatcatta cttctgcctt aggaatggat 300
gaatatttta ggggtgtcaaa ttgtaagagt gctaaggata tgtgggacac tctacaagtt 360
acacatgagg gaacaactga tgtcaaaaga tcag 394

<210> 10321
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10321

agcttgccca attaacctan aattgagaga gaatgattat taaacacata aaacgaaaat 60
actaagtatt tattaccttt acttaacaga aaatacttat aacattacaa aataaccata 120
aattgggaga gtttgatata atttatacaa gttttataca caaaagttag tegtthtctc 180
cgactaacac ttatggtata ttcttagtac tcaaaacttg ggatgaatca taagaatgtg 240
ttaaggaggt gttgatgatg agttaccaac ttttaattaa aaattgaaat ttttaactaat 300
ttaatagttt ttttttttgc tttaatcata tatgttttta tcttttttct ttagttcatt 360
ctatcaatth taaaaccatt agaaattgta atttaattnt ttaaatcaat actgaagaat 420
ttaaaaaacta tcataaatca tttntaaaaa aattcaaag tcaaccttgac acttaataga 480

<210> 10322
<211> 342
<212> DNA
<213> Glycine max

<400> 10322

gcttaacatt caatgtctat cgttccgata tattacggga ctctatcgaa catccgagta 60
aaaatatatt ggttggtgaa ttggtcaga gattcgggtct tcaatttcga gcgcttcgat 120
atattactgg actcaattga acatacgagt aaaaacttat tgtcgttgaa tatttgctca 180
gagcttcggt attcaatttc gagcgtctcg atatattacg ggactgaatc agacattcga 240
gtaaaaagtt atcgtccggt gaatttgcac agaacttcgg attccattct gagcaactcg 300
agtatattac gtgactcaat tagacattcg agtaacaagt ta 342

<210> 10323
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 10323

```
agcttgttta ccccatgttg taattgctta caatagagct gttcatagca ccactaattg 60
ttctcctttt gaagttgttt atggttttta cccactaact cctcttgatc ttttgcttat 120
gctaatagtt tctgttttta agcataaaga aggtcaagca aaggcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcaaattga gaggaaaaat aaaagctatg ctaaacaagc 240
caacaaaggg agaaagaagg ttgtcttcga acccggagat tgtgtttggg tgcacatgag 300
aaaagaaagg tttccggaac aaaggaaatc aaagcttcaa ccaaggtgag atggaccatt 360
tcaagtgcct gaaagaatca atgacaatgc ttacaaagtt gagctgccca gtgagtataa 420
tgtaggttcc accttcaatg tctctgattt atctcttttt gatgcagat 469
```

<210> 10324
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10324

```
agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tggtgtgtg gatgatttct 120
ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtcc aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatacttc 300
atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgctagg gtcattgttc atgccaaaga acttccttat aatttctggg 420
ctgaagccat gaacacagca tgctatatcc acaacagagt cacactta 468
```

<210> 10325
 <211> 338
 <212> DNA

<213> Glycine max

<400> 10325

cacacctctc taatagctaa gttcacctca tttagatgag aagctagagc ttagctacac 60
acccctata atagctaagc tcacccatat gccaaaaaac atgaaaatac aaaaaaagtc 120
cctactacaa agactactca aaatgccccg aaatacaagg ctaaaaccct atactactag 180
aatggccaaa atacaaggcc aaaacaaagg aaaaacctat tctaataattt acaaagataa 240
gcgagctcat acttagccca tggactcgaa atctaccata aggctcatga gaaacctatg 300
gccttcctt ggatctctag cccaatctac ttggagtc 338

<210> 10326

<211> 263

<212> DNA

<213> Glycine max

<400> 10326

tcggatagcc gagcaaatg ttattgacgt ctgaatatgc tcagagctgc ggtattcaat 60
ttcgagcgtc tcgatataatt aagggaactga atcagacatt cgagtaaaaa gttatggctg 120
tttgaatttg ctccagaactt ggggtattcca ttatgagcaa ctcgatatat tacgggagct 180
caatagacat tcgagtaaca agttatcgtc ctttgaatgt ggtcagagct tctatgatca 240
atttcgagcg aattaatata tta 263

<210> 10327

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10327

tagagcaatt cccttatggt atcaaacata aaaagggaaa aggtaatat gtagccgatg 60
ctctttctcg gcgtcatgca ttactttcta tgcttgaaac aaaattgatt ggtcttgaat 120
gtttgaaaag catgtatgaa aatgatgaaa cttttggaga aattttaaaa aattgtgaaa 180
aattttcaga aaatgggtttc tttagacatg aaggctntct tttcaaagaa aacaaattgt 240
gtgtgcctaa atgttctact agaaatttgc ttgtttctga agcacaatgaa ngatgtttaa 300
tggggcattt tgggggtccaa aagactctat aaacattaca agaacatttt t 351

<210> 10328
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10328

```
agcttcttca agccaaaact tgaatgatta gaaatgaaac tattatttcc ataactaagc 60
anttggttgc actgccaatc tgtctgtata cccaacacaa atgggttctga acctgagtta 120
tcttgaaaat agaaaacatg cttctgatgc cgctgaaccc atatctttac actgcattca 180
tcattttcgt gtagctcatg tgaagaatta cgaactgtcc tttccatggt acgcacatca 240
tttcgagtga gaaaatcatc acgggttttg gggccacctt gcttctgcat cccctctgca 300
tgggtgctgga ttatcttgtc caacgatatt ccaacataaa gcatagacat cactttctgg 360
cgtaactcat ccgaaattcg cggagcatac atagct 396
```

<210> 10329
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 10329

```
tgatgcctaa aatgtctttt cttatggcat tggctctaga tgtgttgaat aatttttcca 60
agaacaccct tttaagggtca toccaactga aaatggacct gggagcaaag tagtatagcc 120
aatcttttgc cactccctcc aaagaatgaa gaaaagcctt tagaaatata tgatcttcct 180
ggacatcaag gggcttcatg atggaacaaa caatatggaa ctcccttaaga tgcttataag 240
gatcttcacc tgcaagacca tggaacttgg gcaacaaatg tattagtctt gttttgagaa 300
catatggaac accctcatca ggatattgaa tgca 334
```

<210> 10330
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 10330

```
gctattacgt gaccttagaa tactctcgct tctctgatgc ctatgtgtgg accctcaagt 60
```

gcaatectcc atttctccact tttttcggaa ccccatgaat gtcattgect agcgcctatcc 120
 atgtgtcctc caccttcgag tetggagccc caegaatgtc attgcctagc actgttcgct 180
 aattctccat tctccacttt tattctgagc cccatgaatg tcattgccta gcgctgttca 240
 tgtgtcctcc accttcaagt ttggagctat gcttcattat tgctaagtg tggacctct 300
 atagcaatcc tccattctcc acttttttct gagcccatg aatgtcattg cctaccgctg 360
 ttcattgtgt 369

<210> 10331
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 10331
 aagctggagt tgctgcacat gatgtccaac gttatgtcaa ggaataagat ccggctgcac 60
 aatgtacaag gcaagataaa atggcaaatg aagaattgaa gttgcaggat ccacgatgtc 120
 ggatacaatg tcttgacatc ctgcccgaga atactggagt tgctgtacaa tgcaagataa 180
 aagtcaagtg cagaagtga gctgcaagat ccacgatgtc ggacacgatg tcttgacatc 240
 cggcccgcata atactggaca tataaatctg gtat 274

<210> 10332
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10332

cgcttaagaa aagagctntg aggggttatgt tctcaacaat tatttaataa tctcgaaact 60
 gtttatccat atatcttcat tctgatttgt agtttattga ctctgttctg atgactatca 120
 tgtgaacagg tgattggaga gtttttgtct ttaaaaaaag ctgctggaat aaaaaaagga 180
 ttccagctaa tggatacaag caataaaggc aagactaaca ttgatgaact gcgagtaggg 240
 gtgcataaac tangtcacca natatctgat ggggatgttc aaatacttat ggatgctgtg 300
 agta 304

<210> 10333
 <211> 390

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10333

 ttgagccaat tcaaacgaca ataactttnt acatggatgt ctgattgagt cctgtcatat 60
 atcgagacgc tcgaaattga atgttgaatc tctgagccaa tccaaacgac aataacttat 120
 tactcggatg tctgattgtg tcccgttaata taacgagact ctcaaaattg aatgttgaaa 180
 ctctgagcta attcatacga caataacttt ttactcggat gtttgattga gtctctgcat 240
 acatcgagac gctccaaatt gaatgttgaa gctttgagcc aattcaaacg acaataactn 300
 ttactcggg tgtctgaatg actctcgtca catatcgaga cgctcgaaat tgaatgttga 360
 agctctgagc caattcaacg acaataactt 390

<210> 10334
 <211> 406
 <212> DNA
 <213> Glycine max

 <400> 10334

 agcttcaaca ttcaatctcg agcgtctcta tatatgacag gactcaatca aacatccgag 60
 aaaaaagtta atgtcgtttg aatttgctca gaggttcaac attcaatttc gagcgtctcg 120
 ttatattaca ggactcaatc agacatccga gtaaaaagat attgtcacct gaattggctc 180
 agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgaatttgct cagagcttca acattcaatt tcgagcgtct 300
 cgatgtatga cgggactcaa tcagacatcc gagtaaaaag ttattggcgt ttgaatttgc 360
 tcagagcttc aacatttaat ttcgagcgtc tcgatattatt acgaga 406

<210> 10335
 <211> 434
 <212> DNA
 <213> Glycine max

 <400> 10335

 agcttaacta atcaaattggg acaattggct acacagttaa atcaacagca gccccagaat 60
 tctgacagat taccttctca atctgtctag aatcccaaaa atgggagttc cattacattg 120

agatcgggaa agcaatgtca aggacctcaa ccagcaacat ctctctcatc tgcaaatgaa 180
 cctgccccaac ctcaactctac tccagaaaaa gatgatgaca aaaattttaaa gagtaagtta 240
 cctaacaatt tctatgaagg tgaatcttcc actggtaatt ctgattttaca aaagcagcat 300
 atccctcttc cattccctcc aagagcaatt tccaacaaaa aaatggaaga ggcgaggagaag 360
 gagatcttgg aaacatttag aaaagtagag gtaaaccatac ctctgctgga tgcaataaag 420
 caaattccaa gata 434

<210> 10336
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 10336
 tcatctttgt cctcaaggcc tcatgtatac tcgtccaaat cgcgaagtga accttggatc 60
 cctgtcagat acaatactag aaggaattcc atgcaacctt actacttctt tgatgtacaa 120
 ctccactagc ttttccattc tatacttcat attcacggga ataaaatgag cagatttggt 180
 gagtcgatct actatgaccc acacggcatc atgccacga ctagtcttgg gtaaactaga 240
 taaaaaatcc atagatatgc tctcccattt ccattccgga atctccaatg gcttcaattc 300
 tcccgatggt cgctggtgct caaccttagc cttttgacat gtcaaacatc ttgctacata 360
 ttgggttaca tctttcttca tgccatgcca ccaaaaactt ctctcaaate ttggacatct 420
 tatcattcct 430

<210> 10337
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 10337
 tactcggatg tctgattgag tcccgttaata taacgagacg ctcgaaattg aatgtttaag 60
 ctctgagcca attctaacga taataactat ttactcggat gtccgattga gtctcgtaat 120
 atatcgacac gctcgaaatt gaatgttgaa gctctaagcc tattcaaacg acaataacgt 180
 ttactcggga tgtccgaatc agtgacgtaa tatatcggga cgctcgaaat tgaatgttga 240
 acctctgagc caactcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 300

ttatatcgag acgctcgaaa ttgaatggtg aacctctgag ccaattcaaa cgacaataac 360
 tttttactcg gat 373

<210> 10338
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10338

agcttgtagg ccttgatatc tcttcacaa tggagtcctn tgcttcttga agatcaatgg 60
 cagcaaaatg aaataggtgg aaaggtgatt ggagacgcca cttcaaggag aagatgagtc 120
 aagaacaagc tcaccacat aggaagccat ggataagagc ttgaaggtag gaaaagatga 180
 gtggaaagag agggagagag gggaggcatg aaatttatgt ctgaaataag gtctgaaatt 240
 tgaagtgtaa ttctcaaagc atcaaagttg aaaaatacac acacaaggcc tctatttata 300
 gcttaagtgt cacacaaaat tggaggggaa attgaatttc tattcaaatt tcacttgaat 360
 ntgaatttat ggagccaaat gtggagccaa aatttcacta attatgatta g 411

<210> 10339
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 10339

tagctttatt aaaaatgata ataaaaaatt aaaaaataac atttaaaatg actaagtga 60
 taaaattaat atcaatttat tttttgcttt atcttttaca actatttaca ttcattttat 120
 caaaaaaatt atgttggtgcg acaagatcta tttttttatg ggagtataaaa aatattttatt 180
 ctatatattc aattaaaaat atttagaaca tgttatgaac taaataacat gtatgaatta 240
 aactcaaaat tcaaaagata ggttaagaat gacaataata catgaacaaa tatatctaga 300
 attcaatcaa aaaaataaaa attcaacaca gacttagaac ataatatgac aattattatg 360
 actaaacatg aactctagac aacatggatt aagtgaatta cacttagatt tt 412

<210> 10340
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 10340

tggatccaac ccgaatgtta cctatgatag caccatagtg catgtcagca tatggctcct 60

ctccagtc aa gagttccac atcacaatac caaatgaaaa cacatcaacc taaaatgaca 120

aatatcaaaa caaaagcctc aaacttacat agtgacaaaa tatcaaggta ccattaacac 180

atcaacaatt cagcagttcc ggagccatcc atggtagagt tctctcacc accagaaatc 240

agcgtctgac attttccctt ggacagacc aagtcgcaa cctgatatca gatgcaaaag 300

tgtaaaaggt aaagaaacta ctgaaggatc aactaatcaa ttgtccgtg ctacaagtag 360

agttgtgctg actagaaagc aagtattgat gatcaaaaat catttagcag aa 412

<210> 10341

<211> 394

<212> DNA

<213> Glycine max

<400> 10341

agcttttgac ctcccaaaca gtgccttgta attccacaga tgaagaaatg ttgttcatat 60

ttgttgaggg tcaactctgc aggtggagtg gtgaaagtgg caataggaga ggctgagctg 120

caagcatcga agttggcctt tgtaacctcc tctacgttgt gtgtatttga tgcgtagtgt 180

aacactgcaa aacacaccaa tgatttagtc caattgatcc caagctttta aacaattcaa 240

gtagtttatt ttgtacgatg tgagacttac caaggacgtc tccaacctg aagtttttgc 300

cagaggccca agctgtgtaa aaggaagcgt tgccaggaac aatccagcca gcggtttctc 360

caacaatgaa agtagctggg tcagaggatg gacc 394

<210> 10342

<211> 426

<212> DNA

<213> Glycine max

<400> 10342

tcgtaccgg gatccttagt ggcaccttcg gcatgcaagc ttgttagagc ctagtattct 60

ttgtcctacc aatccattgt tggctttgta catatcaaac aaaattgttg tttgtttgca 120

caatgactaa ctcataatca tcttacagac aaatatgtaa ttttatcact tagtcttttc 180

tctctgatgc aatcctaccc cccaaggcat tgataaaaga ctccaagaag attgggtcag 240

agatgcagga gaaggcccta gggttctgat gaggcttagg atagattttg agctcatggg 300
 ctaaatatga gccacttat ctttgtacat attatatttg agtttcatta tttttggggc 360
 ttgtatttag ggctccatag tgtagggagt gtatcctagt aatgtagaat ttttcagccc 420
 ttgtat 426

<210> 10343
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10343

taatattatg gtcgntatca cttatccctg gactgggtgag tactttcaga agctatttta 60
 gatgcataat ttatagcgat aaacttgcag tgcacaaaat cgccatgttt cattaacttg 120
 gatattttta tgatttttagt ttactatgtg ggaccaaagt gatggaaaaa actgtctggt 180
 gatgatgttg gggaaacttca ttaccattac taccagtta cccaagcac cgtggaacaa 240
 gaaatggttg aggctactgg tgcttgatga agtaactcgt ggatgtcttt ttaagttttc 300
 t 301

<210> 10344
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10344

tagcttgaat cggacctcag tgtgaaaatg ttgaccatt tcaatttttc gagagctttc 60
 gttgttcaat gtcgagcacc tcgacatgtt atgcgctcga atcggacacc cgtgtgaaaa 120
 gttatgacca ttgagtttc tcgagagctt ccgtggttca atttcgagca tctcgtcata 180
 ttatgtgccc gaatctgacc ttcgtgtgaa aaagtatgac catntgaatt tctcgagagc 240
 ttccgatgtt taatttcgag cgtctcaata tattgtaagc ctgaatcgga gctcagtgtg 300
 aaaaagtatg accatt 316

<210> 10345
 <211> 247

<212> DNA
 <213> Glycine max

<400> 10345

actcgtgcga gtcctttacg acgaaactat ggcgagtttg gctccacgac acaatggggg 60
 tgggtgtgagg gtactccacc atttcaaacg tcttcttcat gaacggaggg gggcccacct 120
 cgtgcaaccc tatcatcggg ttggggcgaag tcgactacta ctatgaccac ttagcgggagc 180
 cgtcatccat ctgttctttc actgcgtgag ccgtcgtcac tcccagagtc ttgctctcgc 240
 tcaaaac 247

<210> 10346
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10346

agcttgtaat tgattacata agtcttggtt tcaattacca gaggagattt tcagattatt 60
 atttccaagg gtcacaactt ttcaaatggg ttttcatgg ccatcaaagg tatatttata 120
 tgtgacttgg aacatgaatt tgcttagagt ttttcagaac aaaaagtctt atcctctcaa 180
 aaagcaaaat cattttatcc tcttaagaat tccttggcca atacacttgc aattcaataa 240
 ggaattaatt gagggtctaa attgttcaat ctatctcttt caagagagat ttcttcttct 300
 ctactttcta tttctaaaag gggattaaga gaccaagggt ctctcgttgt aaagaaatct 360
 gaacacaaaa aaaggattgt ccttgtgtgg ttcagaactg caaggtagtg gaactctcaa 420
 gcggg 425

<210> 10347
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 10347

tccgcttatt agtgcacagc tccttcaaga atttagcata tcttgggaatt tgctttattg 60
 catccagcag aggtatgttt acctctactt ttttaaagt ttcttagatc tctttctctg 120
 cctcttccat tttttgttg ggaactgctc ttggaggga tgcaagaggg atatgttgct 180
 tctacaaatc aaaattacca gtggaagatt cacctgcacg gaaattgtta ggtaacttac 240

tcttttaaatt tttgtcatca tctttttctg gagtatagtg aagttgggca agtgcatttg 300
 cggatgatga aggtgctact gggtgaggtc cttgacactg ctttcgcgac ctcaatgaaa 360
 tggcactcac atttttggga ttctggacag attgagaagg cagcttgtca gaattctatg 420
 act 423

<210> 10348
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10348

agctntaacc gtctgagatc tttgccttat cacattggag ggtacatcct ttgtggtata 60
 agtagagggt acatctactt gggtttgact gagaacaaga gaggggtacat ctcttgtgga 120
 tcagttctag tggaggggtac atccactagg gtttcgaaga gaacaaggga ggggtacatcc 180
 cttgtggatc tttgcttgta aaaggatttt tacaaggttg aaagaaatct caaggaccgc 240
 angctctcttg gggattggat gtaggcatgg gttgttgccg aaccagtata aaaactcttg 300
 tgtgtttgtc tccttcttcc ctactctttt aatttttgct gtgcatttaa tttccgcttt 360
 tactttctgg taagtttctc ttatactcct tattctctta acaactt 407

<210> 10349
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10349

tttgtaacta cctcatgcac tcctctaatt actatttcat catttctggc actaaactgc 60
 tgggagttgg aggccatctt ctcaattaaa tntctggctt caacaagagt catgtctcca 120
 aaggetccac cactggcagc atctatcata cttctctcca tattactgag tccttcataa 180
 aaatattgga gaagaaactg ttctgaaatc tgatggtggg ggcaactggc acatagtctc 240
 ttaaatctct ccagttactc atacaggctc tctacactga gttgtctaat acctgagata 300
 tacttctga tggctgtggg cctgaagca nggaaaatat tttctaataa tactc 355

<210> 10350
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10350

```
gcattgagaa gaatattagc tctttgtgat cttgacatgg atgaagccct taatgtctca 60
gaactaaatg agtttcaggc ttttgttgat ttggattct tttaaatctc ctttttttta 120
tttaatatgc tgtgaatatt tattgttttc aagtgtggcc tatttattca aaatgtgcaa 180
atatatcaac aggttagatg cgtaaatgca ccattgctat cctctgaaat agcatgagtc 240
acaaggggtg tacagcagaa agtacctgaa ggattcaact cacatggctc tacttgttct 300
ggatttattt atgtccacaa tatgttcttc aaaagaaggc gtccaaagac attatgggct 360
gttctaagat actttggata tgataataat ttgcaactca tggat 405
```

<210> 10351
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 10351

```
agcttgtagg gttaaagtct cactgattgtc acatgctcat gcaacaattg ttaaccgtgg 60
ctataagaga catcttgcca aacaaagtca agttagccat aactcacctg tgctttttct 120
tcaatgctat atgtagcaaa gtcattgac cgttcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggctctatt tatctacggt 300
ggatgtaccc ggttgagcta tacatgaaga tcttaaaagg gtatacaaag aatctttatc 360
gtccagaagc atctattggt ga 382
```

<210> 10352
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10352

```
tgctacccca tgcaagctcc taatatctcc cacacttttt atggtggggc attcttggat 60
gtccttgatt ttctcagggc ccacttggac cccatttcta ccaactacaa aacctaagaa 120
```

aactatatta tctacacaaa aggtacactt ctatatattt gcatagaagg tgtttttctt 180
aaggactgaa agaactttcc tgagatgtcc taagtgatca tctaggctcc tactgtatac 240
taaaatatca tcaaaataaa caacgacaaa tctacctatg aaatccttta agacatgatg 300
cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcagt tttccactca tca 403

<210> 10353
<211> 354
<212> DNA
<213> Glycine max

<400> 10353
tcacctcatt gagaattaca attccatgaa ggatgtgtct gtctttgatg aaggctgggt 60
gtctctcacc aataagggtca gatataacat tctcaatct atttgcta aacttagcta 120
tcaccttgta catcacccca atcaaagaga ttggtctgta atcatcaaag gtctgagggt 180
gtttaacttt gggaattagg gccaaagaagg aagcattact gcctctaagg aagcagccat 240
gcacatgaaa ttggtctata aatcttctaa agtcagtttt caacactccc caaaattctt 300
taatgaaaat gaagttgaaa ccaccgggtc cagggcattt gtcccaccac aact 354

<210> 10354
<211> 186
<212> DNA
<213> Glycine max

<400> 10354
tctctacaat tgcacacct ctcaatgagc tggatgaataa gaatgaggca tttacctggg 60
gtgaaaaaca aaagcaagcc ttgctttgc tcaaagaaaa gcttactaaa gcacctgggc 120
tagctctatc tgacttttct ataacttttg agctagaatg tgatgcctct ggagtgggag 180
ttggag 186

<210> 10355
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10355

agcttccggtt attcaatctc tagcgtctct atatattatt tcaccgaatc agacatccga 60

grgaaatggt atgaccattc gaatttgteg agagcttccg ttgtttaatt tegagcgtct 120

agatgagtta tgtcaccgaa tccgacatct gtatgaagag gtatgaccat tcgaatttct 180

cgacatcttc cgttgggtcaa tttcgagcgt ctcgatatat tatgtncctg aatctgactt 240

ctttgtgaaa agtttggaac attcgaattt ctggacagct tccgttgatc aatttcgagc 300

gtctc 305

<210> 10356

<211> 434

<212> DNA

<213> Glycine max

<400> 10356

tacgcttgaa tgctctattc aatggagttg acaagaatat cttcagacta atcaacacat 60

gtacagtggc caaggatgct tgggagatcc tgaaaaccac acatgaagga acctccaaag 120

tgaagatgtc cagattgcaa ctcttggtcca caaaattcga aaatctgaag atgaaggagg 180

aagaatgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240

tgggagagag gatgacagat gaaaagctgg tgagaaagat cctcagatcc ttgcctaaga 300

gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac atgagagtag 360

atgagctcat tggttccctt caaacctttg agctatgact ctcggatagg gctgaaaaga 420

gaagcagaac ttgg 434

<210> 10357

<211> 343

<212> DNA

<213> Glycine max

<400> 10357

cctattaaca caccgggcca tgaatcacat atctgaacct gtcagcagtc tctgtggttt 60

atgcttcttt ggcgaccacc acagatacct ttgcctcttt gtgcggcgaa ttgaagcaat 120

cgaacagctc gaagcttatg ctgccaacat ctacaataga cctcctcaac cgagcatgga 180

aatcagtcac aacagaacag aacagtgatg acctctccag caacaggtac aatctcgggt 240

ggaggaatca tcccgaactt agatggtcga atccgttgcc acagcaaca caacaacaac 300
atccttattt tcacaatact aatggcccaa gcataccata cgt 343

<210> 10358
<211> 401
<212> DNA
<213> Glycine max

<400> 10358

agcttgcgaa ccataccact atccacgtat atgctagctc catcatatcc ttggcctcta 60
actttttgaa tgataagatt atcatgagat agtattgaac aaactccttg ctttaagagta 120
gatgatgtac aatctatcac atgtgagata tctaaaaaat gttctaacat atcagcactt 180
ar.caacaat ctaatattag gagtaatttg ttttcttcta gattcatcat gagcttcacc 240
tacaattcac cagaattttg cattatcaat ctctttttga atttcatttt gcaacttcct 300
agcaaagacg tgtagaattt ctttttgaat aatgggtgaa gtgtatcttg cattctaagg 360
gacattttcc aagacaactt catctatttg cttattataa g 401

<210> 10359
<211> 311
<212> DNA
<213> Glycine max

<400> 10359

actccgaggg ccgaatctgg cgaataatat agcgagacgc tcgacagtga acaactaaag 60
ctctcgagaa attcaaatgg tcatgactct tcaactcaggt atccgattca cgcgcataat 120
atactaagac actcgaaatt gaacaacaga agctctcgag aaattcatat tgtgctgact 180
cttcaactcag atgtccgac cgcgcgata atatatcggg acgctcgaca ttgaacaatg 240
gaagctctca agacactgaa atggtcataa cgtttcacac agatgtctga ttcttgaaa 300
taatatatcg a 311

<210> 10360
<211> 329
<212> DNA
<213> Glycine max

<400> 10360

tcatccgtgg gtcaagaatc ttagcaattg aaagaatgac attatagtca ctccaatact 60
 tgccaaactt ttccatcatc aacactgcc aattttgcaa tactggatca tcacacttca 120
 gtgtttcccg caacaacct tcaattttcc atacttgcac gaagtattca ttggaagttg 180
 gataagatgt acctaaaaaa aattcaaata agataattaa actataaata taaatctgaa 240
 actattttatt ataattatga aatttgaaaa aatatacctg aaatcaaatt agtcatatta 300
 taaaatggct tcaaaaattc acacaattt 329

<210> 10361
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 10361
 taaacattca atttcgagcc tctcgatata ttacgggact caatcaaaca tccgaaaaaa 60
 acgttattgt cgtttgaatt cgcacagagg ttcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aacgttattg tcgtttgaat tggctcagag 180
 gttcaacatt caatttcgag cgtctcgata taatacggga ctcaatcaga catccgagta 240
 aaaagtcatt gtcgtttgaa taggctctga ggttcaacat tcaatttcga gcgtctcgat 300
 atattacggg actcaa 316

<210> 10362
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10362

agcttccatc aggatgtctt attgagtcct gtaatatatc tagacgctcg aaattgaatg 60
 ttgaacctct gagcatattc aaacgacaat aactgtttac tcggatgtct gattgagtc 120
 cgtaatatat cgagacgctc taaattgaat gttgaacctc ttagccaatt caaacgacaa 180
 taactttnta atcggatgtc tgattgagtc ccgtaaatat atcgagacct tctaaattga 240
 atgttgaagc tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag 300
 tcccgtaata taacgagacg ctcgaaattg atatgtgtaa ctctgagcca attcaaacga 360
 caataactat ttacttcgat gtctgagtga gtcccgccat atatcg 406

<210> 10363
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10363

agctnnggctt tggccatcag aaccatctca ttctctactt catccatctt gcaacanata 60
 ttccagtcaa gtgagtgttt ctctgcatca aacaaatcan atgtgatctt ccaatcatct 120
 attccccattt ctagattacc ttccccata tccaccacac aattggcagt tagcatgaag 180
 ggacgaccca caatcagagg gatttcagca tcctcttcaa tgtccatgat cacaaagtct 240
 gtagggaaag tgaactgtcg caccttgacc aanacatctt caaccacgcc ataaggtctt 300
 gtaatggaat gatctgcca caacaatgtc attcttgttg gcataatttc cagctctcca 360
 attcttctgc acatggagag cgacatcaaa ttaatgctag ctcccacata atgaaagctt 420
 tccaactgac ac 432

<210> 10364
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 10364

tcctttacaa caaagagaag tgatgtaagc tccattggag cttgtaggcc taggatcttc 60
 ttcattaatg gattccttta cttcttggaa gatgaatggc agcggaatgg tgaaaggaag 120
 agagagagga ggcgccactt caaggagaag atgagtctag aagaagctca ccaccataag 180
 aggccatgga taagagcttg gaggaagaag gagatgaatg aggggagagg gagagaagag 240
 cacgaaattt tgtgtcttaa atgagctttc aaatctgaat tttaatatcc taatgatcaa 300
 agttgaaaaa aatgcacaca catgacctct at 332

<210> 10365
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10365

agctggcctt gaatcagaaa nttgtaccag tcgcaagagt ctgtgggttta tgctcctctg 60
ctgaccacca tacagacctc tgcccttcca tgcaacaacc tggagcaatt gagcagcctg 120
aagcttatgc tgcatacatt tacaatagac ctctcaacc tcagcagcaa aatcaaccac 180
agcacaacaa ttatgacctc totagcaaca gatacaaccc tggatggagg aatcacccta 240
atctcagatg gtctagccct caacaacaac aacagctact gtgccaagca gaccgtacat 300
ttcttcaccg atccaacaat agcaa 325

<210> 10366
<211> 325
<212> DNA
<213> Glycine max

<400> 10366
tatatgtttt ttagttgcct tgtaccatgc tcacctaatac caaaggtcgg tattgatgtt 60
tatctagagc ctttgattga tgatttgag aagttatgga gtcgtgtttt gacacatgat 120
gtgtcaagga agcaaaattt gatgaggact attaatgact tccctactta tggcatgttg 180
tctggttgty gaactcatga taaatttttt tgtecgcat gcatggagca taagaagttg 240
tttacattac aatatgagag gaaaagttgt tcatttgact cgcacgtag gttcttacct 300
agcattcatt catttaggac taaca 325

<210> 10367
<211> 330
<212> DNA
<213> Glycine max

<400> 10367
tatgtctgcaa acatttataa tagacctcct cagcagcaaa accaacaaca acagaataat 60
tatgaccttt cgagcaatag atacaatcta ggttggagga atcatccaaa tatgagatgg 120
acaagtcctt cacaacaaca atagtttgct cctcctttcc agaattgttg tggccaagc 180
aagccgtatg ttctcctcc aatacagcag cagcaacaac agtagtcaca acaaagacaa 240
caagcaacta aggctcctcc tcaaaattcc ttagaagagt tagtgaggca aatgaccatc 300
cagaatatgc aatttcagca agagacaaga 330

<210> 10368
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10368

agcctttcct cattctctgg agggagtggc aaaagaatgg ctatactacc tcgctcccat 60
 gtccattntc agttgggatg accttaagag ggtgttcttg gagaaattat tccctgcac 120
 taggaccact gccatcagaa aagacatttc aggcacacg caacttattg gagaaagctt 180
 gtatgagtac tgtgaaagat tcaagaaatt gtgtgcaagc tgcctcacc accagatttc 240
 tgagcaactc attcttcaat atttctatga gggacttaac aacatggaga ggagtatgat 300
 tgatgctgct agtgggtggag ctctcggtga tatga 335

<210> 10369
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 10369

taataatcta tggcttgaaa caagcctccc gccaatggta tctaaagttt catgatgtca 60
 tcacttcatt tgactttgaa gagaacatca tggatcaatg tatataccaa aaggtcagtg 120
 agagtaagat ttgctttctg tgttaaactg ggatgacatt ttgcttgcaa ctaatgataa 180
 gggtttgcta tatgagggtga aacaatttct ctgaagaac tttgatatga aggatatggg 240
 agaggcatct catgtaattg gcattaagat ccatagggca agatctcgag gcattttggg 300
 tttgtctcaa gagacttata ttaacaaagt ttagagaga 340

<210> 10370
 <211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10370

agctnntaga tgccttanag ttttaaggct gaagttgaga aacaatgtgg aaaacaaatt 60
 aagatcgtga gatcagatag aggtggggag tactatggta gatacacaga ggatggacaa 120
 gcaccacgtt catttgcaaa ttntnttcaa gaacatggga ttgttgccca atacactatg 180

tctggttctc cggatcagaa tgggtgtggca gaacgaagaa atcaaacctt attagacgtg 240
 gtgagaagca tgaggagtaa tgtaaagctt tctcaatttt tgtggattga tgctcttaag 300
 acggctgcgt atatattaaa ccgagtt 327

<210> 10371
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10371

tgtagggtta aagtctcacg attgtcacgt gtcacgcaa caattgttag ccgtggctat 60
 acgagacatc ttccaaaca aagtcaggtt agccataact cgctgtgct tttcttcca 120
 tgctatatgt agctaagtca ttgatcctgt gaagtttgat gagctggaaa atgaggccgc 180
 aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctagtca gagaaatcaa atgttggtt ccagtttacc tacgggtgat 300
 gtaccgggtt gagcgatata tgaagatctt aaa 333

<210> 10372
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10372

ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgaaatat 60
 atcgagacgc tcgaaattga ataccgaagc gctaagcaaa ttcaaacgac aaaaactttt 120
 tactcggatg tctgattgag tcccgtata tatcgaaaag ctgcaatgtg aatgtagaag 180
 ctctgagcaa attcaaaca caataacttt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctcggagca aattcaaaca ataataactt 300
 ttactcggga tgtccgattg agtcccgtaa tatatc 336

<210> 10373
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 10373

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120
ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag gagggagtga 180
tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240
acttaacaa gcccaacaca tcatagagac aaggetggtc atttgtatag ctgtcattga 300
tgatgattga aagccaagt ggagaaagat g 331

<210> 10374
<211> 331
<212> DNA
<213> Glycine max

<400> 10374

tctcagatcc agtcatggaa agacttggca actgccttca ttaggcaata ccaatacaac 60
acggatatgg ctctgatcg aaaccaactt cagagcatga ccaagcggga acatgagtcc 120
attaaagaat atgctcaaag gtggagagac ctagcggccc aagtcgtccc gtcgatgact 180
gaaagggaaa tgatcacgac tatggtagat acgttgccta cgttctacta tgagaagctg 240
ataggatata tgccggctaa ctttgcagac ctgctcttcg ccggagaaag aatcgagtcc 300
ggactgagaa aaggcaagtt tgaatatgcc t 331

<210> 10375
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10375

agcttcttat ccaaggagat tctnggtggt gaagctcctt cttecttggc ttattcccta 60
gtggatggtg tctccctctt ccacttctcc ttaccttcc gctgcattc catggtgtaa 120
aatcaccatt gaaggacctc attgaagctc anagatccag cctncataga agctccacaa 180
gcaagcttcc atcattaagg ttctattatt tttgggcctt gtatttaggg ttcataatat 240
aggtaaggta tcttagaaat gtagaatttn taagcccttg tattntatgg cacctagact 300
agcttttgta ttaggggtag ttctgaattt cacatgcatt aagtgaata 349

<210> 10376
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 10376

```

tttcttttgg ttgctctgat aagctttcca aacgtagag agaaggagaa gagattgaag 60
ccttcattcc actgtctgca tgaaatgagt attctccct ccctagacat tattttccac 120
atctcaacgg ttaaaatgtg cgggacttaa tttcaaact ggtgtccaaa tttcacaatg 180
atccaacggt taatatgtcc aggattgtag ttttattggg acaagttttg ggtctccgct 240
ggaaatggaa aagctatgac gtgaagggaa attctttcaa atcctagtgc tcaaattcca 300
accctgagaa tggtcagaaa tgagttccaa 330

```

<210> 10377
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 10377

```

ttgagacaat tcaaacgaca acaacttttt actcggatat ctgattgatt cccgttatat 60
aacgagacgc tcgaaattga atgtttaagc tttgatccaa ttcaaattgac aataaatttt 120
ttctcagatg tctgattgag tccaataata taacgagacg ctcgaaattg aatgttgaag 180
ctctaagcca attcaaacga caataacttt ttactatgat gtctgattgc gtaccgtaac 240
atatcgagac gctctaaatt gaatgttgaa gctctgagac aattgaaacg acaacaactt 300
tttac 305

```

<210> 10378
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10378

```

agcttcaaca ttcaatgtca agcgtctcga tatattatgg gactcaatca cacatccgag 60
taaaaagtta ttgtcgtttg aattggctcg gagcttcaac attctaattc gagggctctcg 120
atatattact aggactcaat ccgacatccg agataaaaat tattgtcgtt cgaattggct 180

```

cagagggttca acattcaatt ntgagcgtct cgatatgtta ccggactcta tcaacatccg 240
 agtaaaaagc tattgtcggt ttgaattgct cagagactca acattcaatt tctaggggtct 300
 cgatatatta cgggactcaa tcatacatcc gcagtaaaag ttatcggtccg ttgaatatgc 360
 tcagaagatc aacattctat ttcgagcgt 389

<210> 10379
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 10379

tcttgaagtt ggaatgatat atgccatttc cgatagttca tgggtaagcc ctgtgcaagt 60
 agtcctctaaa aaggggtggaa taacactgat aaagaatgac aagaatgagc tgattcccac 120
 aaggaccatg accgggttga gaattgtgat caattatcgc cttctcaaca aggcaacaag 180
 gaaacaccat tttctctctc ccttcataga tcaaatactt gagagggttag ccggccaagc 240
 cttctatttc tttcttgata gatactcaag gtataattaa attcttgta atccgaagga 300
 tcaagagaaa acaaccttca attgcccatt tggagtct 338

<210> 10380
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10380

tgtgttaaga ggaagagtga tgtgattgat gtattcaaga aattcaaagt ttcagtggag 60
 aaacagtgtg gaaaaaattt agagatatta agaacggatg gtgggggtga atatgtatct 120
 gttgagtttg ctgaattttg tgagaaagaa ggcacacac atgaagtaac acctccatac 180
 actcctcaac ataattggagt agttgagagg aagaatagaa ctttggtgaa catgggtgagg 240
 agcatgttaa agagcaagaa actaccaaaa tatttgtggg gagaagctgt gaacattgct 300
 gcatacatct tgagcagaag cccaactagg aaa 333

<210> 10381
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10381

tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gectcagata 60

tcttaagaag ggggaggttg aattaagata ttacaaacta tttccccaat taaaattcta 120

tcaagttata aattccctta ataataaact tcttaaataat tgactcaaata agaacaattt 180

gaatatgaat ataaaacaat aataaataaa ggagtttaag ggaagagaaa gtgcaaactc 240

agatttatac tggttcggcc acacccttgt gectacgtcc agtccccaag caaccgcgtt 300

aagagttcca ccatcttgta aattcctttt aca 333

<210> 10382

<211> 326

<212> DNA

<213> Glycine max

<400> 10382

tctagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60

cccatcttta atggagtgagg ttaccattat tggaaaaccc gcatgcaaat ttttatagag 120

gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataatg 180

gccggaagtg caacaatagg aaaacctaga gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccctaggaat agatgaatac 300

tttaaggttt caaattgtaa aagtgc 326

<210> 10383

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10383

agcttctcga ttattatgca ccttaatctg acttccgttt ganaagttat gacaacttga 60

atttctggag agcttccgtt gtgcaatttc gagcgtcttg atatattatg cgctgaatt 120

ggacttctgt gtcataagtt atgaccatnt caatttctcg agagcttccg ttgttcaatt 180

tcaagcttct cgatatatta tgcacctgaa ttggacttcc gtgtgacaag ttatgaccat 240

tctaatttct tgagagcatt cgggtgttcaa tttcgagcgt ctgatatat tatgcatctg 300

aatcggactt gcgtgtgata agtatgacca ttg

334

<210> 10384
<211> 327
<212> DNA
<213> Glycine max

<400> 10384

tcaagagatc gtcccttga caacattatt ggtgatatct caaaaggggt aacaactaga 60
cattctctta aagatttatg caataatatg acttttgtgt ctatgattga acctaaaaat 120
ttagatgaag ccataataga tgatcattgg atagttgcta tgcaagaaga actaaatcag 180
tttgagagaa acaatgtgcg ggaactagta gagaaacctg aaaactaccc catcatagga 240
acaaaatggg tatttaggaa taagttagat gaacatggca taatcattag gaacaaggca 300
agattacttg caaaaggata taatcaa 327

<210> 10385
<211> 339
<212> DNA
<213> Glycine max

<400> 10385

ttaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 60
agttgctgca catgatgtcc aacgttatgt caaggaataa gatcgggctg cactatgcac 120
aaggcaagat aaaatgtcaa atgaagaatt gaagctgcag gatccacgat gtcggataca 180
atgtccagga catcctgccc gagaatactg gagttgctgt acaatgcaag ataaaagtca 240
agtagtgaag ctgcaggatc cacgatgtcg gatacgatgt cctgacatct ggcccgataa 300
tactggacat ataattctgt tatatcttta acagattat 339

<210> 10386
<211> 328
<212> DNA
<213> Glycine max

<400> 10386

tccagaaatc atcctcttaa cgacattatt ggtgatatct ctaaagggat aacaactaga 60
cactctctca aagatttatg caataacatg gaatttgttt ctatgataga acctaaaaac 120

ttaaaagaag ccataataga tgatcaatgg atagttgcta tgcaagaaga gttaaatacaa 180
 tttgagagaa ataatgtttg ggaactagtt gagaaatcac ataactaccc cattatagga 240
 agaaaatgag tatttaggaa taagttagat gaacatggca tagtcattag aaataaggct 300
 aggttagttg caaaaggata taatcaag 328

<210> 10387
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10387

agcttctntg agaaaacttc cttgagaagc tagagcttat ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc ttgagcttag 120
 ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
 tacacacccc ctataatagc taagctcacc cccatgacaa ataacatgaa aatacaaaaa 240
 aagtccttac tacaaagact actcaaaatg ccncaaaata caaggctaaa accctatact 300
 actagaatgg ccataataca aggcccagac gaaggaaata cctattctaa tatctacana 360
 gataagcggg ctcatactta gcccatgggc ttgaaatcta ccctaattgct catgagaacc 420
 ctanggcctt cccttgatc gctagccaat ctac 454

<210> 10388
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 10388

ttctgcaggg aagctaagtg tgaagtatgc aatcttgcac aggattggca ctgccaactg 60
 ggtacccacc aatcatactt ccactgttgc cacagggttg ggtaaatttc tgtatgctgt 120
 tggaaccaag tccaaattta attttgaaa ctatatTTTT gatcaaacta ttaagcattc 180
 agaatctttt gctgtcaaata taccattgc ctttccaaact gtattgtgtg gcattatgtt 240
 gagtcaacat cccaatattt taaacaacat tgactctgtg aagaagagag aatctcctct 300
 atccctgcat tacaaactgt ttgaggggac ac 332

<210> 10389
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10389

cacctgcggc tgcagcttaa gaaccaaaaa taaaaatatt atcttattag ggagataaca 60
 cactattaaa aatctattag aaaagaaagt acatctaaat atttattaaa gagtaaaata 120
 tattttaaacc tttaaaaatat tcttactaaa aagaacactc ggctagtaat actcgagtaa 180
 caaagaaagt tatgatatgg gtatttagta attataacta tcttgtaaac attacttaaa 240
 tnttttaata atttatatac aggactttta ttgttgttgt caaaataata acatttatTT 300
 tgtaaaacat attcatatgt ataacatatt atatgcttgt tgaatatagg atatacattt 360
 cttaaaaaaa tatgtataaa caatgataat atactccaat tgaaaatact tgtatatata 420
 tataactcct tagaatacgt ttagtcatct gcacgcgaat agagaagaaa tcataatatg 480
 atttacttag ta 492

<210> 10390
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 10390

agcttctata gaaagttcgt tgctaataac tctacaattg catcaccttt caatgagctg 60
 gtgaagaaga atgtggcatc tacctcgggt gaaaaacaag agcaagcctc tgctttgctc 120
 atagaagagc ttactaatgc acctgttcta gctcttcttg actttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagttgtat tgttacaatg tgggcaccct 240
 attgcttatt ttagtgaaag agaattcata gtgccactct caactactcc acctatgata 300
 aagagcttta tgcataata agagccctcc aaacttggga acattacctc gtttccaaag 360
 aaattgtcat tcatagtgat catcaatcac ttacgtacat t 401

<210> 10391
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10391

agcttattaa gaggcttccct ccagaagctt cctcgtggct tctttgagaa gctntctcaa 60
gaggcttctt tgagaagcta gctccttctc tctccacacc cctctattaa cttaaattaac 120
ttccttaaaa ataattacgg atgataataa cgcaacanat attcaaacat caaacataat 180
tactaatagt atatagatat atatatatca ggggtgtaca actctccac ccttttagaa 240
atttcgtcct cgaagattac cttactcaaa caaggatggg tgagcttctc acatctgact 300
ntctaattcc catgtggcat cttctcctga tgcacctncc cagatcacct tgaccaacag 360
aatctc 366

<210> 10392
<211> 319
<212> DNA
<213> Glycine max

<400> 10392
tgatgaatca tgtatcgtag ttaggaacaa ggctagattg attgctaaag gatacaacca 60
agaggaaggc attgactatg atgagacctt tgcctttggg gcaagggttg aagctattag 120
gctattgctt gcttttgggt gtattatgaa tttcagggtt tatcaaattg atgtgaaaag 180
tgcttttctc aatggataca ttgaagaaga gatatatata gaccagcctc caagttttgt 240
agactttgaa catcctaate atgtttacaa gttgaaaaag aactgtgtg gtttaaaaaa 300
agcacctaga ttttgggtat 319

<210> 10393
<211> 326
<212> DNA
<213> Glycine max

<400> 10393
tgtgaaacct tgcaagctcc aaacacccca tttgaaaatc tttctggatt aaacttgtga 60
gcatcaggcc cccagagttg agggctctgt tgcagcactg agattggaat ctgaatatc 120
attccttttg gaattaggat gccttttaaa ttaacacctt ggagagctgt tctaacaaca 180
aaggctgctg gcgaataaag cctcaaagtc tcttgaatca ccatgggtcaa ctgcaagtgt 240
aacattttta tatatggcct tcacagatca gtaagaatgc tcatgaaact tggaaatgat 300

caactataat tacaataaaa tttgag

326

<210> 10394
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10394

agcttcaaga ataatggcct caacatactt cttattccca gaaggaaatt caataaatag 60
gcaaagtaat taagatacat tgtataatga aacgtataat aaagaataat ggccctcaaca 120
aacttctaata gctgatgggt ttctggttgg ttntccaaca acatttggat ccatgggttc 180
tcaatttaaa gcatttntag aagacactat aagcctgttg tggcttacac aggcactagc 240
aggaaaacct gtagggttct tctctagcac tagttctcaa ggaggtggac aagaagagac 300
cccatgagtt atattaatta ttactgaatt cttcaatatt catgattaag gtttccatca 360
attaatgggt attttgtata tatccactca acatgggaga agtcagagca nactattagt 420
cactactttg tattattatt actggtacga agtatctacc aaccaatgag tcagcttgtc 480
acgatgggat gatacat 497

<210> 10395
<211> 311
<212> DNA
<213> Glycine max

<400> 10395

caaatacctt tcagaggcac atcaacttca aagtgaagag gaacttgggt aacacacaat 60
tcactagtaa cagaagacaa gacacgatat tcagcttcag tggatgattt tgaaacagtg 120
ggttgtttct tagaacgcca agaaagaatg atatttccca taaagacaca aaagccagaa 180
gtggatcttc tggatcaac acagctggcc caatcagcat ccgcaaaggc agggaggctg 240
agagagttct gagcaaggaa aaacaaacct tgtctatgag cagatttgat atactacaga 300
agatgatgaa c 311

<210> 10396
<211> 261
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10396

gaacatcaca tatcgagacg ctcaaaactg aacaacgaaa gctctcaaga aacagaaatg 60
gtcataacct ttcaactcgga tgcccgaaac aggcacataa tatatcgaga cgctcgagaa 120
tgaacaacgg aagctctcga gaaattcaaa tgaggataac atttcaactcg gatgttcgat 180
tcatgcgcat catatatcga gacgctcgaa attaaacaat tgaagctctc gagaaaatta 240
aantgtcata actctttact c 261

<210> 10397

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10397

tgcaagctca agaatatggc ctcatcaaac tacttgnttc tcgaggggat attctataaa 60
tagacctcct atctttaatg gagtggggtg ccactactgg aaaaccgcga tgcaaatctt 120
tatagaggca atagatntaa atatttgga agccatagaa caaggacctt atgttcctc 180
tataatggcc ggaagtgcaa caatagaaaa acctaaagca gattggactg aggaagaaag 240
aagaatagta caatataatt tacaggccaa aaatattatt acatctgccc tatgaataga 300
tgaatactct agggtttcaa atggtaaaag tgtaaggat atgtgggata cactacaagt 360
aacacatgaa ggcacaacag atgttaaaag atctaggata cacactttaa ctcgtaaata 420
tgaactgggtt aggatgaatg taaatgaaaa tatacangac at 462

<210> 10398

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10398

ctatggagaa ctnttcttaa ctgnaatttt tacacacggt cacttatagt gggaattgat 60
gaacaccttg ataattcaca gcttgcttca cctcaggctg caagccattt agaaacatca 120
cacattntga gctttcacca tcccttctt ggtaatgagg aanatacctc actagctctt 180

canacttggc tgcgtattca gctacagtcg tgttcccttg cttgagttca aggaattcca 240
tctccttctt gttcctaaca tcttcagggg agtatttctc cagaaatacc ctcttgaagg 300
tttcccaagt catagcttga ccttcagcct cccagcatng gtgagtggtc tcccaccaat 360
actcagtttc ttcta 375

<210> 10399
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10399

ttcttcttc accagtaacc cccaatccaa ggtaaataaa ttgagtttaa tttctatcca 60
cttttagtat aattattatc ttacactctc catttatact ggtaatcaat cagaaatcat 120
atatgaaaac aactcttaag taactttata taaaagttaa caaacttatt atatgtacca 180
tacataaact gcttactcat aaattactat tttnttagg aaatgtttta gctttgttaa 240
ttatctataa gctatgtgta tctttccag cattattctg ctatactatt agaatgttca 300
atatgttaac caaactagtg gttgttttgt taattattgg acgatacttg aacagaaggg 360
aaaaacatga tacatatgaa gaacaatggg ggggtgaa 398

<210> 10400
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10400

cagcagaaca attatgacct ttccagcaac agatacaacc ctggatggag gaatcacct 60
aaccttagat ggtccagccc tcagcaacaa caatagcagc ctgctcttc ctttcaaat 120
gctgttggcc caagcagacc atacattcct tcaccaatcc aacaacagca acaaccccag 180
aaacagccaa cagttgaggc cctccacaa cttccctcg aagaacttgt gaggcaaatg 240
actatgcaga acatgcagtn tcagcaagag accagagcct tcattcagag cttaaccaat 300
cagatgggac aattagctac ccaattgaat caacaacagt cccagaattc tgacaagctg 360
gcttctcaag ctgtccaaaa tc 382

<210> 10401
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10401

agtttcataa tgtgggtctcc aaatatggat tggaggaaaa tgttgtaagc caatgcatgt 60
 atcttaaagt gtgtgggagt aagtttattt tcttagtcct atatgtatat gatattttac 120
 ttgcaagtag tgacttgggt cttttgcatg ataccaaaaa tttcctctca caaaactttg 180
 atatgaagga tacgggtgaa gccttctatg tcattagaat agaaattcat agagatagat 240
 ctctaagaac atcgagatta tctcanaagg cttacataga anaagttttg aaaagattta 300
 atatgcagaa 310

<210> 10402
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 10402

aacataaatt ataggccatc ataatagatg gatacaagga tgcaaaatct aaagtagcaa 60
 ttggtttttc ataaaatcca gcccttgect ccaatacctg caagttgtaa agttcaaaat 120
 gcatgcatca aaaggcaaca cagcttgaca agtgaaacgt ccaaaaggca aatacaggaa 180
 aaggtgtaga acattaactc caataatatt atgtagatct ccatacataa agatacttga 240
 aatttgagaa ttctttcaat ttttcattta ttaactgaag aacaagaggg catttaagat 300
 tyagcttgat tcaggcctaa catgctgtta gagattccca aacatcaata gttactaatc 360
 agagtaaa 368

<210> 10403
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10403

cttcttcata aggggtgnctc tttgattctt acagatcaat ggcagtggaa tggagaagga 60

agaaagatga ttggagatgc cacttcaagg aaaagatgag tcaagaacaa gcccaccacc 120
 ataggaagcc atggataata agttgaagat acgacaagat gattggaggg agagggagag 180
 aatgagcacg acattttgtg cctcaaatga ggtctgaact ttgaagtga attctcaaat 240
 gatcaaagtt gaaaaaatgc acacacatgg cctctattta tagcataagt gtcacacaac 300
 aatagagggga atattgaatt tctattcaaa tatcactcga atttgnaatc gaattcgtgg 360
 agccaaattg attagtgaat tctagctact ggtcaaccca ctaatccaag atcaagttca 420
 agatgctcca ctaagtgtgc ttacgtgtca tg 452

<210> 10404
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10404

gccaaagcct ctgtgattga ttcaagactt caagatcaag catcaagaat ccaatccaag 60
 attcaagatt aaagagaaga aatcaagaag caacaagtca agacttcata tgggataagt 120
 attaaaagat tttttcaaaa aaacaaatag cagagttntg ttttacaaaa gaattttctc 180
 anactttcaa agttaccaga gtgattactc tctggtaatc gattaccagt tggctgtaat 240
 caattaccag tgaccaatth ggthtttcaa atgttttcaa atggtttgca atgttccaaa 300
 atgattntca aatagtgtaa tggattacac tatattagta attgattaca agtgaatctg 360
 aacgttggaa ttcanatcca attgtgaaga gtcacaactt ttcataanat gcattgtgta 420
 atcgattaca cctttgtggg aatcaattat cagtaaacag ttttgaagaa aaagtaagag 480
 ttatactctt acatgggtctc aaatgcatac tcttcat 517

<210> 10405
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10405

tgatgcagct gagttttgtt ctacctcatg cactcctcat tgactatggc atcatttctg 60
 gcgctaaact gctgagagtt ggaagccatc ttctcaatta aatttctggc ttcagcaaga 120

gtcatgtctc caagggctcc accactggca gcctctatca tacttttctc catattactg 180
 agtccctcat aaaaatattg gagaagaagc tgttttgaaa tctgatgggtg ggggcaactg 240
 gcacatagtt tcttaaattc ctcccagtac tcatacaggc tctctccact gagttgtcta 300
 atacctgaga tatccttctc gatggctgtg gtccctggaag cagggaaata tttttctaatt 360
 aatactctct taaggctatc ccagctcgtg atggaccttg gagcaaggaa tacagccagt 420
 cctttgccac tccctcttat gaatgangaa aagccttcag aaatatgtga tctctcttga 480

<210> 10406
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10406

tcaccaagtt cttgtaagct tcccaaccaa tcaggtattc ttccactcaa cccgttggtta 60
 ttcacaaaca tgtgttccat nttcttggag tatgagagtt gaggtggcac ttctcctgtt 120
 aaattgttga atgataaatc aagacagttg agaacagtaa ggtggccaaa ttcagaagga 180
 atgctttctg tgagataatt ctctccaagt ctgagacggc tgangtttct agaattgggt 240
 agagtgggaag ggatgggacc tgagaagctg ttgttagtca ccgccataaa ggcatggaat 300
 ttgaccagtg agaggaaaga actttcctga acttgtggtg aaagtatgat ttgagctttt 360

<210> 10407
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10407

tgcaagcttc agtttgcccn ctgcgtctaa tcacatgccg gttctgtgga gatatgggtc 60
 aagctgggag gtctgccatg gacgtccgtg acagattaag aggattgtct gagcgttctg 120
 tgatgttgaa ggacatggat attcaccaga tttctgttca tcaaagtggc tagttgatag 180
 cagtgtagca gcaacagcaa catcagagaa aacagggaaa gtaacaaca atgcaggagt 240
 acaattagca aaagcaaaga ggagagttac caggccagca tatctcagag attatgcctg 300
 aaatgcaatg caaatgatga ggagatgagc tggcagtgca ggatttgcta gcttctagtt 360

gtccccctgct aggatgcac cacaaccaat tctgttatgc aaatattcct agaagatatg 420
gataattcct ttagcagtag gcattatata tgcataatgta aataactagc anaatcaata 480
agaaccaatt acactcctct ccttccttcc c 511

<210> 10408
<211> 238
<212> DNA
<213> Glycine max

<400> 10408

atattctaaa ttgtaattag agtgacttta aaatttttaa tattatgaga aacgatagat 60
tgggtaaata gtcactttgg tccctgaaag tgtaactcgc tgacaatttg gtcctgaat 120
cgagataaat tgcaaaataa tccctgaaac gtgcatctgt tagtcactac cgtgaatgga 180
gtagttacct ccgtcattta tctctgatgt ggttcgttta atgccacaca cacatgat 238

<210> 10409
<211> 323
<212> DNA
<213> Glycine max

<400> 10409

ctgatgaaga tgaatttgtg gctacttcat gcactcctct aatgacaata gcactccttc 60
tggcactaaa ttgctgggag tttgaagtca tcttctcaat taaatttatg gcttcagcag 120
gggtcatgtc tccaagggtc ccaccactgg cagcatctat cataacttctc tccatgttac 180
tgagtccttc ataaaaatat tggaggagaa gctgctcaga aatctagtgg tgaggacaac 240
tggcacatag tttctttaa atctctccagt attcatataa gctctctcca ctgagttgcc 300
taattcctga aatatctttt ctg 323

<210> 10410
<211> 461
<212> DNA
<213> Glycine max

<400> 10410

aagaaagagt tatatggtaa gccttggtac ttctatcata aacttatgca taaaaacaag 60
gaatacccggt agggaggctc tgacaacgac aacgaagggt ggtggccagc ttcttctga 120

gtgggaatat cctatacaag aggaaccatg acatggtact gcttcgatgt gtggatgcc 180
gagaggctaa gcaaatgctg gtagagggtg atgaaggatc ctttagcacg catgccaatg 240
gacatgcctt ggcccgaaaa attctgagag tgggggtatta ctggctcact atggagagcg 300
attgttgcac ccatgtgagg aaatgccata agttccaggc ctctcgtgat aatgttaatg 360
ctccacccat accttttaac gtcttgtgta gcacctggc cattctctat gtgtggaata 420
gacgtgatca gagccattga gcctaaagat tcaaacggac a 461

<210> 10411
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10411

aaggaaattn gaatttctat tcagatttca ctggaatttg aaattgaatt tgtggagcca 60
aaatttcatt aattatcatt agtgaatttt agctatgggt tagcccaact atccaagatc 120
aagactaaga ttctccacta agtgtgctta ggtgtcatga ctcatgaggc atgtaaaaca 180
tgaaagacat gcacaaagta tgactatatg atgtggcaat gaggtgtagc aagcaaagtc 240
tcacctcccc ctctaaaatt taattggatt gggcttctcc caattcaatt aaatttattt 300
cccaacacac acatgtacaa tgttcttatt gaaaaataaa ggtttaattg cacttcttac 360
tccttaactt t 371

<210> 10412
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10412

aagggtgtagg acacccttat gttgggttaga gcccganata nttctcacct tatgacccaa 60
agtgtgtacaa cataccactg agaaagttaa gtttaattgaa gaaaggatga gaactgctca 120
gagtaggcag aaaagttatc atgataagag gaggaaagat ctggaattcg aggttggtga 180
tcatgtattc ttgagagtca ctccgtggac tggggctggt cgagcattga aatcccgaaa 240
actaacaccg cgctntattg gtctttttca aattcttaag agagttggcc ctctggcata 300

ccaaattgca ttacccccgt ctctttctaa tcttcacaat gtctttcatg tgtctcaagt 360
 ccgtaagtat atccgtgata catcccatgt gattgaattg gatgatgtac aagtgaacga 420
 gaatctgaca tatgaaacat tac 443

<210> 10413
 <211> 125
 <212> DNA
 <213> Glycine max

<400> 10413

acacatgaat gacaacgcca ctcatcctatg gggctccgaa aaagggtaaa aatggaggat 60
 ctgcctgaag gtccctctctt aagcaatcat ggaacacaac tccataactcg aaagtggagg 120
 accca 125

<210> 10414
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10414

tgccttggtta acttggttaac ccagctggcc ttgaataaga aatctgtacc tgtcgcaaga 60
 gtctgtggtt tatgtctcctt tgtcgaccac catacagatc ttttcccttt tatgcagcaa 120
 cttggagcaa ttgagcagcc tgaagcttat gtctgcaaac attacaacaa acctcctcca 180
 cctcagcagc aaaatcaacc acagcagaac aattatgacc tctccagcaa cagatacaat 240
 ctcggtatgga ggaatcacc taatctcaga tggctctagcc ctcaacagca acaacaacag 300
 cctgctcctt ccttccaaaa tggtgttggt ccaagtagac catacgttcc tctccaata 360
 caacaacaac aacaacaaca acagccccag aaacaacana cagntgagggc cccnntcgca 420
 ccttccttga gaacttgtga gganatgact atgcaaacat gcagttcaac a 471

<210> 10415
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 10415

gcatgcaagc ttgactttcg ttcgctcaga tagtattctt tctggatctc attctatctc 60
cattagaaaa gaggaggaac taagcaaaat gaagacatgg gaagccacat ccacttcaac 120
atctaaatca attggcactg gcctatcctt acttgaagat ttatatattt gcttggaaga 180
tcttcttaat gtggcatcaa cgcaaaaagt gatttctaac catcaagggtg agaaatgcat 240
ggaagaatag cttgatgggt cagcgggaat tctggatatt tgtggcatta caaggaacac 300
catgccacaa gttaatggaa atgttcaagc acttcattct gctctt 346

<210> 10416
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10416

actaagctat gctganatat ttataataga cccctcagca gcaaaactct caacttcaga 60
antaatatga actttcaagc aacaaataca atccagggtg gaggaatcat ccaaactctga 120
gatgggcaag tcttcataa taacaacagc ctgtccctca tttccagaat gctgctagtc 180
caagcaagcc atatgttctt cctccaatgc agtagcagca gcaacaacaa caacaaagac 240
aacaagcaac tgaggctctt tttcaacctt ccttagagga gttagtgagg caaatgacca 300
tccagaatat gcaatttcaa caatagacaa gagcctncat tcagagtctg acaaatca 358

<210> 10417
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10417

tataatactc aagcintgaa tgctctattc aatggagttg acaagaatat cttcagattg 60
atcaacacat gctttgtggc caaagatgca tgggagatcc tgaaaaccac tcatgaagga 120
accttcaaag tgaagatgtc cagattgcaa ctattggcta caaaattcga aaatctgaag 180
atgaaggagg aagagtgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct 240
tgactgcct tgggagaaag aatgacagat gataagctgg tgagaaagat cctcagatcc 300
tcgcctaaga gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac 360

atgagagtgg atgaactcat tggttccctt caaaccttng agctangact ctccgatagg 420
gctgaaaaga gagcaagaac ttgcgttcgt gtcaatgatg 460

<210> 10418
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10418

ctcagcatca taatcaacca caacagaaca attatgacct ctccagcaac agatacaacc 60
ctggatggag gaatcaccct aatctcagat ggtctaacc tcagcaacaa caacagcagc 120
ctgctccttc cttccaaaat ggtgttggcc caagcagacc atacattcct ccaccaatcc 180
aacaacagca acagccccag aaacaaccaa cagttgaggc tcttcgcgaa ccttcctca 240
aagaacttgt gaggcaaagt accatgcaga acatgcagtt tcaacaagag accagaccct 300
ncattcagag cttaaccaat tagatgggac aatnggctac accaataaat caacaacagt 360
cccagaattc tgacaagctg ccttctcaat ct 392

<210> 10419
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10419

gtcccgtaat atatcgagac gctcganatt gaatgttgat ggtcgntgca aattgaaacg 60
acaataactt tttactctga tgtctgattg agtcccgtaa tatatcgaga cgtctcgaa 120
tgaatcttga tgctctgagc aaattcaaac gacaataact tnttactcgg atgtctgatt 180
gagtcttgta atatatcgag acgctctgaa attaatacga aagctatgag caaattcaaa 240
cgacaataat ttttactcgg atgtctgant gagtctcgta atatatcgac acgctcgaaa 300
trgaatgttg atgctctg 318

<210> 10420
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10420

aaagacacac gcctgtttac catttctttt cctgattaca ctccagatta tttttcaaat 60
tcagcaaagg tgatgtttcg agtagactaa ctgggtgacc caaagcactg tatgcagctt 120
cagaaattgc acaggcagaa atagccccaa ctgattcacc acctaaagca tactgctgga 180
aacctttatt gcatgaagag tcctcttcaa tatcataaga aaactgaata agttgattac 240
catataaatt tctcacggtt ccatcatatg catcatacaa atcacgcatg aagaacataa 300
gtctacgtgt cagtgtacca ggaagggtccg catgggtcact gaaagagcta tcacgatttg 360
tcaactgaatg aacaaaacat tcaagtggat tcaaccagct taaataagaa ctntcaacta 420
cagcatatgg aatgtatgac tgaacagaaa tcagggta 458

<210> 10421
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10421

actcctacca tgtgccacag gatgcttagc taaatcaatt gctgatttgt tatccatcaa 60
caaccttata ggactgcaat ttctcaagtt tagttcttcc attaaagctt ccagccataa 120
agcttgacag gctgccatag caacaacaat atattctgct tcacatgttg acaaagcaac 180
tacactctgc ttctttgagc accaagagat tgggtgatgtt ccaaatttga aaacataccc 240
agcagtgttt ntccatcatc ctttatcacc acaccaatct aaatcactat aaccaaacac 300
ttctccttct atantttctt gattgaagga tataaaatgc caagatccaa tgttcctttc 360
acatacctca gaatcctc 378

<210> 10422
<211> 274
<212> DNA
<213> Glycine max

<400> 10422

cgcttgatgt gacgacattt taatatgtga atgtccatta atttgatgca tgactaacga 60
gaaccaccct tacaactacg tagactcata accggagata ggcttgaggt caagatctaa 120

tctagttaat tagttggtag atgttcacac caagcttgaa ctttcattct aaacccttta 180
tctgaccagt aatataattg atcggtatct agcagataag acatttccaa ggttgtgaat 240
gtaattggtc ggcacatg tcttgctgat ggca 274

<210> 10423
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10423

ccaacaacac tacaagaac aagaatggca ccatcaagga cagcaaagc cctctcaacc 60
tcgatggtaa aatgaacgtg accaggcgtg tcaataatgt taatctgcaa caacacattt 120
cccaggatat taaacatata aatatatgaa gacaaaatta cttacaacac gataattaac 180
cacaattcac tcagataata aaaatagtaa cagcagaagc attcaaattc caattcccc 240
tttatatttc ttgattccta ttggttcaaa attcaattca atttaaaatc aaccaacata 300
acaaactctt caactctgtc caatttatgg cacttcaaaa acacatagca gtaatgattn 360
ttacatacac tc 372

<210> 10424
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10424

tgtaatcgat tacacacata ctgtaatga ttaccagagt gagttttcag anaacattct 60
caacagtcac atctttttct ctgattctta agtggccatc aaaggcttat atatatatga 120
ctagagacac aaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180
caaaattggt ttatctctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300
ttctttattc tgaaaaggga ttaagaggcc gatggctctt tgggtgtgaaa ggattctaaa 360
caciaaggaa ggattgtcct tgtgtgttta gaacttgaaa aggaattgca agatagtgga 420
actctcaagc ggggtgcttg ggactggacg t 451

<210> 10425
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10425

```

ntatgtgatg aacattggtt aatggcaatg catgaagagc tgaatcagtt aaagagaaat   60
gatgtatggg atttagttcc taaaccaacc tctcacaagc caatcgaaaa caaatgggtg  120
ttttgaaaca aacttgatga atctggcctc atagtgagga ataaagaaag attggctgcn  180
aaaggatata actaagaaga aggaattgaa tatgatgaaa cctatgctct agttgcaagg  240
ttagaagcta taagattgct acttacattt gcttgatta tgaatttcag actttttcag  300
atggatgtaa aaagtgtctt cctcaatgga tgcattgaat aagaagtgtg tgtagaccaa  360
ccactangat ttgtggatca tgaacatcct gact                                394

```

<210> 10426
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 10426

```

tattcggaga cccatgaatt gattgcctag cgcagattat gcgtcctcca ccatcgagtc   60
taaagcccca tggattgatt gcctagcgtt gttcgtctat cctccaccct caaatcttat  120
tcggagaccc atgaattgat tgcctagcgc agttcatgcg tccccaaacca tcaagtctgg  180
agccccacga attgattgcc tagcgttggt catctatcct ccaccctcaa atcttattcg  240
gagtcccatg acttcattgc cttgctcggt tcatgcgtcc tacaccatcg agtctggagc  300
cccacgaatt gattgcctag cgttggtccc ctatactcca cctcaaatac taattcggag  360
acccatgaat tgattaccta gcgctgttca tgcgtccaca accattgagt ctggagccct  420
acgaattgat tgcctagc                                438

```

<210> 10427
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10427

tactaatgct cctgttctag ctcttctga cttttctaaa acttttgagc taaaatgtga 60

tgcctctgga gtgggagttg gagttgtatt gttacaaggt gggcacccta ttccttattt 120

tagtgaaaaa cttcatagtg ccacctcaa ctacccacc tatgataaag agctttatgc 180

cttaataaga gccctccaaa cttgggaaca ttacctgtt tccaaggaat ntgtcattca 240

tagtgatcat caatcactta agtacatcag agggcaaagc aagttaaaca agaggcatgc 300

aaaatgggta gagtacctag agcaatttcc atatgttatc aaatacaaaa agggaaaaac 360

aaatgtggta gatgatgcc tttctaggag acacacatng ttntgctccc tangagctc 420

aaatttatga tttgataata ttagggactt gtatgc 456

<210> 10428

<211> 435

<212> DNA

<213> Glycine max

<400> 10428

tytaatcgat tacacacata ctgtaatcga ttaccagatg agtttttcag aaaacattct 60

caacagtcac atctttttct ctgattctta agtggccatc aaaggcttat atatatatga 120

ctagagacac aaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180

caaaattggt ttatcctctt acaaattcct tggccaaaac acttggtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300

ttctttattc tgaaaaggga ttaagaggcc gatggtctct tgttggtgaaa ggattctaaa 360

cacaaaggaa ggattgtcct tgtgtgttta gaacttgtaa aaggaattga caagatagtg 420

gaactctcaa gcggg 435

<210> 10429

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10429

agcttgcacc tgctagccca cggaattagt gggtcgaccc atataaaaaa tttttattaa 60

aaaattaaat tttaaaacgt aaaagttgga aaccatttaa gaactatgaa atatcaaata 120

aaaaattatt tgtccaaaat aattacaata attacatctc aagtcaccta aaaaaagtat 180
 tnttttcata tcatatntac ttaatttgta attctatatt aaatcaaaat tatcaccatt 240
 caccanacca ttgaaaaata tataaagtac ttacattcta tatgtttttt aaaagttatt 300
 tttttcttaa nttatgcccc ttatttatta gtatcatata tgttatatta nnaatataaa 360
 agtctgtcag taaaacttgt ttaaacacgc ag 392

<210> 10430
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10430

tatgtgcac acatctacaa cagacctcct caacctcatt atcaaatacag ccacaataga 60
 acaattatga cctctccaac aataggtaca atcctgggtg gaggaatcat cccaacctta 120
 gatgggtcaaa tcctttacaa cagcagcaac aacaacctta ttttcaaaat gttgctggcc 180
 caagcagacc atacgttctt ccaccaatcc agcaacaaca gcaacagccc cagaaacaac 240
 aaacaattga gactcctctg caaccttccc ttgaagagct tgtgaggcaa atgactatgc 300
 aaaacatgca gtttcaacaa gagaccagag ctttcattta gagcttaact aatcagatgg 360
 gacaattggc tacacagtta aatcaacaac aatcccagaa ttgtgataga ataccttctc 420
 aatctgtcca gaatcccnaa aatgtgagtg tcattaca 458

<210> 10431
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10431

tgttgagat aaaggtgntg tggaggcagc cctcgctata ggaagtgaag ttagacattt 60
 gcaacgcgaa acttttgaag gggctcaaac attgatgtca aattttactg aattcgccac 120
 ggtggggaag catatgacaa tacttgtagg ctcaccaaag cttgaagtgt atcaactga 180
 ctttgggtgg ggaaaaccca agaggagtga agtagttcat gtagataatt caggaacaat 240
 ctccctttct gactgtagag acaaagaagg tcgaattgaa gttggggttag cactgcaaaa 300

gattcaaatg aatcaattca gtaccacttt ggaagagcac ctacacagaaa ttggagttct 360
 tgactgaaaa tctccactca cagaatatgg ttgcacaatg cacacttgca cagttcaact 420
 cctaccaacc gtacgcgtag aatgataatg atattaactg ttacata 467

<210> 10432
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 10432

taagaggtct ggcagtgcta atggatgttt ccttgattg gagaaggtag aaatattgtc 60
 taagatggag tgctcttttg atatcacctt ttgttgaga acaatttttc ttcttaacaa 120
 tcttgtaga ggaatcattt tctctttat cctccccctt agactttgaa gacaaggcct 180
 tactatactt ctttgtcttt tgtgtttctt cctcatccct cttatctttc atagttagtt 240
 gatcttttgc cacctgtgaa ggtgtttaag gatgcaacac aaattttgtg ccaagatacg 300
 tgacggtaat ctcatgtgtt aggcaattgc aaacgatctt cctatcaaat tgccatggcc 360
 ttctaaaaag aatatgtcct gcctgcacgg gaactatata ac 402

<210> 10433
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10433

tatgtgtggg atacctagtg tgagcatagt ttccaaactc ttaaggaaaa gttgacgacc 60
 gctactatgt tagttttgcc taacatgaga gaaccctttc aggtgtattg tgatgcacca 120
 aagatggggt taggaggagt attgatgtaa aatgggctaag tagtggccta cgcttctaga 180
 caactccaga ctcatgagag gaattatccc actcatgac tagagtaggc tactgtagtt 240
 ttttccctta agatatggag gcattacctc tttggcccca agtttgaggt gtttagtgat 300
 tataagagcc ttaagtactt gtttatgttg gatcgagtgg cctcagaata attaagaagg 360
 nggggg 366

<210> 10434

<211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10434

```
agcttaagct ccttcaactg cacaaggctt ttaatatattg aagagtatnc ttgtggaaac 60
ctcaccgcac naaagaccac tgacaactta tctttctctt tctggacaaa gtatggcagg 120
gttggggcaa gtaaaatttc tttccatcaa accttggatg caactgtgat cgtatgccca 180
tataagctaa atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaaaga 240
gcgttccaat cacactgtca caaacatttt tctccacatc cataacatca atacaatgtc 300
taacgt 306
```

<210> 10435
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10435

```
ttttagtaga tgaagatgaa tttgtggcta cctcatggac tcttctaagg acaatagcat 60
gctttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa ttcctagctt 120
cagcaagggt catatcacca agatcttcac cattggtagt atcaatcata ctctcttcca 180
tgttgctaag tcctcatag aaatattgaa gaaggagttg cttagaaatc tgggtggtggg 240
gacaacttgc acacaatttc ttgaatcttt cccagtactc atacaagctt tctccactaa 300
gttgctgat gcctaaaatg tcttttctga tggcagtggt cctagatgca gggaagaatt 360
tctccaagaa caccctctta aggtcatccc agctganaat ggacctgnga gcaaggtagt 420
at 422
```

<210> 10436
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10436

```
tgtcagcttc ttctggcaat gggtggacca gggtcatctt tgaaaagncc tttggctcgtg 60
```

attcagattc ttcagctgca ttaactagat cactcaagca gtatctgaca gaggatcaaa 120
 ttttcagggt ttctaactaa aactgataat cttcaattca actttaagat tgtaaagtac 180
 attttataaa atgggaaata ttatacagga ttgaccacta tcttgggaaa gagcttgtgg 240
 aaaatctttc tgttctccga ttctcaaate tcctctttga accattatgg tcaaggcaat 300
 atataagaaa tgtacagttg atattctcag aagattttgg cactgaaggg cgtggcgggt 360
 aacctttatt ccttaacagc tttcacactt tctgttctta taatggggat tcttatacat 420
 tttcatatct gtaccatgtg taggtactct gaccattatg gtatcat 467

<210> 10437
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10437

tgaagganaa cttgatgtct tgctcaacct agtaactcat cttgtcataa attagaaatc 60
 tacacatggt gcaagagtct gtggctctatg ttcttctgca gatcaccata cagatctatg 120
 tccttccttg cagcaatcta gagtcaatga gcaacctgaa gcttatgcta caaacattta 180
 taatagacct cctcagtagc aaaaccaaca acaacagaat aattatgata tttcaagcaa 240
 caaatacaat ccaggttgga ggaatcatcc aaatctgaga tggacaagtc ctccataaca 300
 acaacaacag attgtccctt cttttcagaa tgctgctggt ccgagcaagc catatgttcc 360
 tcctctaatt cagcaacatt agcagcagtt tgaacaaaga taaccagcaa ctg 413

<210> 10438
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10438

agcttcaatg gctcaatgag caaggggatt tgatagtcaa tcaacaagta aagatacctt 60
 tttctataag agactatngc gatgaagttt atgttatata ctccctangg aagcaaggca 120
 cattttgntg ggtagagtat ggcaatatga caagaaagca atccacaatg gtctcaccaa 180
 tgaaataacc ttcacccatg gaagcaaaan agtaaaactt gttcccttga caccttcaaa 240

agtgggttggg gatcaagtac aaataaaaact c

271

<210> 10439
<211> 467
<212> DNA
<213> Glycine max

<400> 10439

ttatgcgggc atcgtataat aacaccataa catgatgggt ttggtttaat ttcattttgg 60
aacacttgcc gctatctttg ctcttagatc cttgcgcaag attttgctg acggtgactt 120
gygaattgca tcaatgaaga atactcgggt tattcttttg taaaacacca cctgcacaat 180
tcacaaactc attacattcc ttatttttgtg gctaagaaag gtacagtaca catcataaac 240
ctgtaaaaaa cgcattttata tctgaaagt acccagacat ttagaattag gtgggaagaa 300
gcgggtgtggg tcagttataa gaaaaaatga gaaattatat taatacggca tgaatgagat 360
tatttttaaa atgaatatat attagatcaa gtgaaaatta atagcaaagt aattataacg 420
tgttttattt atttattaag aaagtattaa ataatagtga atatatg 467

<210> 10440
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10440

ntntattcac agaaggaaat tcaataaata ggcttcctat tttaatggag aggggttacc 60
actactggaa aacacaaatg caaatcgtca ttgaggcaat tgacttaaac atttggaag 120
ccatagaaat aagaccttat gtaccactg tgggtggctgg aaatacaaca atagaaaagc 180
ctanggaaaa ttggagtgag gaagaaagaa gacgagtaca atataacttc aaagccaaaa 240
acataattac ttcttgata aatactttaa ctcatgagta tgaattgttt aggatgaaga 300
caaatganag tatataagat atgcagaana gattcacaca tatagttaat catcttgcac 360
cattaggaag aatattccca aacgaggatc tcataaataa agtggttaaga tgtctaagta 420
gaaaatggca accaaaggta acagccatca tagaatct 458

<210> 10441

<211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10441

tctcgatata ttatgtccnc gaatcagaca tctgggggta gagttatgac catttgaatt 60
 tctcgagagc taccgtagtt caatttcgag tatctcgata tactattttc ccaaategga 120
 tatgccttgc ataagctatg acccattcaa tgtctcgaga tcttcggctg ttcacattca 180
 agcgtgtcga tatattatgt cctctaatac cacatccgag tgaaatagta tgagtagtcg 240
 attttctcga gagattccgg tgttc 265

<210> 10442
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10442

ntgagccaat tcagacaaca ataacttttt actcggatgt cttattgagt cccgcaatat 60
 atcgagagcg tcgaaattga atgttgaacc tctgagcaaa ctcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg aatgttgaac 180
 ctcatagcga attcaaacca caataacttt atactcggat gtctgattga gtcccgtaat 240
 atatcgagac gctcgaagtt gaatgttgaa gctctcagcc atttcaaacg acaataactt 300
 ttactcggga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat cgaatgttga 360
 agctctgaac taattcaaac gaacaataac ttctactcgg atgtctga 408

<210> 10443
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 10443

cgacaatacc ttgtgacacg gatgtctgat tgagtcacgc tttatctcga gacgcttgaa 60
 attgaatacc gaagctctga gcaggtacag acaacaataa ctttttactc ggatgtcgga 120
 ttgagtcacg taatatgtcg agacgctcgc aatagaatac cgaagctctg atcagatcca 180

gacgacaata cctattgact cggatgtcgg attgagtcac gtaata

226

<210> 10444
<211> 370
<212> DNA
<213> Glycine max

<400> 10444

tatgaggaga agcataagat taagcaagag atcaccattc tactcttcaa gttgcaactg 60
aaggagaagg aagaaagtca aggaaatgaa agaagtcatt gatgccgagg tagaggttga 120
gytcacggtc gaggataggt tggaggtggc aatagtgtac gaggttcaaa tttcatcaac 180
aatagttacg agaaatgaaa aagctcaaga gaatgtggaa aaggctatac aagcacaagg 240
tatgataaat ctcaaactcg atgttataaa tgtcaaaaaga ttggccacta tgcttcaaaa 300
tgtagattcg ccaagaatag agttgaggag gagactaact atgtggagca aaaggatgag 360
aagttcaaat 370

<210> 10445
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10445

caagctgttt accccatggt gagtntgctt acaatatagc tgttcatagc actactaatt 60
gttctccttt tgaagttggt tatgttttta acccactaac ttctcttgat cttttgccta 120
tgccaatgt ttctatTTTT aagcataaag aaggccaagt aaaggcggtc tatgtgaaga 180
agcttcatga gagagtcaaa gatcaaattg acaggaaaaa taaaagctat gctaaacaag 240
ccaacaaagg gagaaagaag gttgtcttcg aacctggaga ttgggtttgg gtgcacatga 300
gaaaagaaag gtttatggaa caaatgatat caaagcttca accaagggga gatggaccat 360
tttaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctaccc agtgagtata 420
atgttagttc caccttcaat gtctctgact tate 454

<210> 10446
<211> 407
<212> DNA
<213> Glycine max

<400> 10446

tatacatgag tatgatttta tgatcctatt tctataatgt tgagaaacat agaattcctc 60

ttcaatgtat ccgttttagaa aagaactttc ccatccattt ggtacagatt taaatctata 120

atgcaagcaa atgcaaccaa caatctcaca acttctaatac taactatcgg agcatagggt 180

tcaccaaagt ctatatcttg ttgttggtta taacccttga ctactagcct cgctatgtta 240

ctagttatta agccatgttc atctagctta ttttttaaaa cccattttgc acctataatg 300

tttgtcttac taggcctagg tactagttcc caaaattcat ttctcttaga ctaattaagt 360

tcatcatgca tagctataac ccaatgttca taacaagtgc ctattca 407

<210> 10447

<211> 326

<212> DNA

<213> Glycine max

<400> 10447

agcttgaagg taaactagat gccttggttt acctggtaac ccaactggcc ttgaatcaga 60

aatttgtacc tategtaaga ttctgtggtt tatgctcctc taccgaccac catacaaacc 120

tttgcccttc tatgcagcaa tctggagcaa ttgagcagcc tgaagcttat gctgcaaaaa 180

tttacaatag acctcctcaa ccttagcagc aaaatcaacc acagcagaac aattatgacc 240

tctctagtaa cagatacaat ccgggatgga ggaatcacc taatctcaga tgggtctagcc 300

ctcaacaaca acaacaacaa caacct 326

<210> 10448

<211> 412

<212> DNA

<213> Glycine max

<400> 10448

tttgcagctg gaatcattta tctatctcc tatagcttat gggtgagtcc cgtccaggta 60

gtcccgaaga agactagcct cacagtgatc agaaatgaga aggaggagct gattcctatt 120

cgggtgcaga acagttggag agtctgcatt gactatagga ggctgaacca ggttaccaaa 180

aagaaccatt ttcccctgcc attcattgac cagatgcttg aacgcctggc aggtaaatcc 240

cactactgtt tcttgatgg tttttctggt tatatgcaaa ttactattgc tctgaggat 300

caggaaaaga ccacattcac ctgcccccttc ggcacttttg cttataggag gatgcctttc 360
 ggccctgtgca atgccccctgg taccttccag cgggtgcatga ttatatattt ca 412

<210> 10449
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 10449

attatttctt aataactgtc gttcttggtg tgatacatc gagataatat tccattagca 60
 gaatatatga tcagacattg ctatactgtt catttaaacc acgttgaaat tgcacgctc 120
 tatcttcgag ttttcttttt gcaatgatag caagagtaga acaggtacat cgcacagtac 180
 aagaacaaat aggatctggc ctaaaattct ctatttcac ccataca 227

<210> 10450
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 10450

cgccttgaag ttggactcgg tcttctcggt agaggggtcat tctatatgta aatagtccca 60
 aaaccagaaa tggacgcctt aagaggctca acaattttca tagcagtcgg gtgttccccc 120
 attatgttgt tatggaaata aaagtggagc tgggtgagtc tttccacggg ttttgtggat 180
 agagacatag gacactcttt tgtaaacact tcaactattg ctggtaagga acctgacatg 240
 ataaccatga aatgcaacga aaaaaggaga cacacaagtg aagccatata ggtacaattt 300
 ttaggtatgt tagccaacgg ttgcaaacag ctatatatat aggcctaccag aagatatagg 360
 taccttgtgg tggataactt tattagctac ttt 393

<210> 10451
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 10451

ggacacttga aactcagcta gtacatatag ttgcaacctg aggtccttta tagacttatt 60
 aaaaatatca gccaaagtgt acgagatcta tctttatgtg tttaggatgt tcatggaaga 120

ctaaattaca tgcaacgtga atagagcaac tcgattgtca catataagct tagtgtcttg 180
 agtgtttgca aactttaatt gctgtacaag gtgcctaagc catgtaattt ctcattgcaac 240
 ttctgttatg gtatagcatt caactacagc gctggatctc gcagctatat ttgtcttatt 300
 gcttctccat gagatcaaat tccctacgag cagaacacaa tagcctgagg tataactcct 360
 gtgcgcatcag cactagacta acaaacaata ttgacattgt ctctgccttc atatacaaat 420

<210> 10452
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10452

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcttcagata 60
 tcttaagaag ggggggttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120
 cttacttttt acttaaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
 aatgaagcaa cttgaattat gaatataaag caataataaa taaaggagat taagggaaga 240
 gaaaatgcaa actcagtttt atactgggtc ggccacaccc ttgtgcctac gtccagtcctc 300
 caagcaaccc gcttgagagt tccactaact tgtaaattcc ttttacaagt tctaaacaca 360
 caaggacaac ccttcctttg tgtttagaga ttctttacaa caagagactc acagtc 416

<210> 10453
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 10453

ctcagcttct caagatttaa gttcttctta acactgttta ttcttagtcc caagtcctat 60
 aacaacttgc atttgcccac cgagtttgcg ggtgacaagt ggttgaaaat aacaaattaa 120
 tgcccaactt gctccacaga gtcttccaaa taaggcttag gaacttaaag tccctatcac 180
 taacaatgct ccttggtcaaa ccatggagtc tcacaatctc cttgaaaaac aaatcagcca 240
 catgggaagc atcatcaatt tttttacatg gaataaaatg agccatttta gagaacctat 300
 caacaaccac agaaatggaa tctctaccat agcttgtttt tggcagcccc ataacaaaat 360

ccatggataa atcaatccta ggatac

386

<210> 10454
<211> 401
<212> DNA
<213> Glycine max

<400> 10454

tgtaggcctt ggatcttctt catcaatgga gtcctttggt tcttgaagat caatgacagt 60
ggaatgcaga aggaggaaag gtgattggag atgccacttc aaggagaaga gagtcaagaa 120
caagttcacc accatatgaa gccatggata agagcttgaa ggttggagaa gatgagtgga 180
gggagagggg gagaaggggc acgaaattta tgcctcgaat gaggtctaaa atttgaagtg 240
taattttctca aatgatcaaa gtagaaataa tgcacacaaa aggctcttat ttatagccta 300
agtgtcacat gaaattggag ggaaatttga attttattca aatttcactt gaatttaaata 360
tcgtggagct aaatttggag cctaaagttc actaactatg a 401

<210> 10455
<211> 410
<212> DNA
<213> Glycine max

<400> 10455

accagctgg ccttgaatca gaaatctgta cctgtcgcaa gggtttgagg tttgcgctcc 60
tctgtcgacc accatacaga cctttgccat accatgcagc aacctggagc aattgagcag 120
cctgaagctt atgctgcaaa tagttacaat agacctctc aacctcagca gcaaaatcaa 180
ccacagcaga gcaattatga cctctccagc aacaaatata acctggatg gaggaatcac 240
cctaacctca gatgggtccag cctcagcaa caacaacagc agcctgctcc ttccttcag 300
aatgctactg gtccaagcag accatacatt cctccaccaa tccacaacag caacaactcc 360
agatacagtc aacagttgaa gtctccaca accttcctcg aagacatgtg 410

<210> 10456
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10456

agctggtagg gntaaagtct catgattgtc tcttgtcat gcaacaattg atagccgngg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgetntttat 120
tccatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgetttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggctctgtt tatctacggg 300
ggatgtaccc cggtgagcga gtcattgatga tcttaaaagg gtatacaaag aatctatttc 360
atccagaagc ctctattggg gagagggaca 390

<210> 10457
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10457

ctcacctatt aggcttaa at tctganatat accccctcc ttacctctcc ctttgatget 60
ntacatggag tacttgaagg aagtggaagg aaaaactgtg catgattatc ttgaggtaaa 120
gatgggtaaa atgacaaagc caataggtgt ggaaggacca gtgatagtgg gtgctgggtcc 180
atcagggctt gctgcagcag catgtcttaa acagaaaggc attccaagcc taatccttga 240
aagggatgat tgcttggctt caatgtggca gctcaagact tatgaccgac tatgccttca 300
tctacctaag caattctgcc aactccctct aatgccttcc ccccaaaact tttcctctta 360
tccaacaaaa caacaattct tggnetat taaagcctat gctgaccatt ttgacataaa 420

<210> 10458
<211> 295
<212> DNA
<213> Glycine max

<400> 10458

cacatagaaa tgagagcgat ctaggtcctt tatatcatat tatcgtttta atcaatctat 60
agttttttaga aattcttcac gagttcta ataatagttata atatctactt aaacaacaat 120
tatgaaaaat ctattttcat attttgtttc ttcattgaaaa tacatggaca aataggatcg 180
attttatatt cttccttttag gaaatactca ctaagtgtat catactacat gcgacttgat 240

tgatttagcc tatatgaagt actcttcttg agaatatgta ttatttggca aatta 295

<210> 10459
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 10459

taagaaatct atatatgggt taaaacaagc ctttcgttat tgggtgcctta agtttcatgg 60
 gataatttct tcatttgggt ttgatgaaaa ccccatggat caatacatat accacagggt 120
 cagtgggagt aaaatatggt ttcttgtttt atatgtagat gatattttac ttacagccaa 180
 tgaccggggt ttgctacatg aggtgaaata atttcttctt aagaattttg acatgaagga 240
 tatgggtgat gcattctatg tcattggcat taagattcat aaagatagac ttcaagggtat 300
 tttatgtcta tcacaggaag cctatattaa taaaattata gagagatttc agatgacaga 360
 ttgttcacca agtgtcgtc tcattgtgaa gggatgtagg tttaattctga atcaata 417

<210> 10460
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10460

agctcaacac aaggcatgcg aagaggggtg attttctana gcaattccct tatgttatca 60
 aacataatat gggaaatggg aatattgcat ccgatgctct ttctcggcgc catgcattac 120
 tttctatgct cgaaacaaaa ttgattgggt ttgaatgttc gaaaagcatg tatgaaaatg 180
 atgaaactct tggagaaatt tttaaaaatt gcgaaaaact ctcagaaaac tggttcttta 240
 tacatgaatg ctttctttta aaaaaaacia actgtgcgtg cctaaatgtt ctactagaaa 300
 tatgcttggt tgcaagcac ttgaaggagg tctaattggg cattttgggt ttcacaagac 360
 tctataaaca tttcaagaac ac 382

<210> 10461
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 10461

acggacacta tgaaactaag cttgattctt aagaatgtcc ttatttatat tatacacatt 60
 gttttgctca tcatttaca cttgctcttg ttgcttctgc taaagtagtt gatgtacatt 120
 ttttttttca aaacttgaat atgattgtaa atgttatgtg ttcttgtaaa cgcaatgatg 180
 agttacaagt ttcttatgta actaaaattg ctcatttggg tgcaaatgtg gatattgaga 240
 ctagaaggag agctaataca attggcacac tatagagacc tagagatagt agatgaagtt 300
 cttatttcta ttcaatttgt agtcttttac gcatgtataa ctatttcagt tcttgaagat 360
 ttagctgtta aaggatctac ttttgctcaa taaggatgatg ctactatgcc tcgaaagaat 420
 tgatttcatt tga 433

<210> 10462
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10462

actaagctac acagaatcgg atgtatattc tgtgagcata ttttactact ctaactggaa 60
 gaaccccttt ggtgctagtt agagatatga aatgtgcatt ggaaaaggaa aatttttaaag 120
 caatcttgga cttttcatct ggtgaatggc cgctntttca aaccgaacag ctggcatatt 180
 tagcattgag gtgttgtgaa aagacttggg tgaaccggcc agaccttggt tcagaaatct 240
 ggagtgttct tgaaccattc aaagctactt gcattgacac gtcatcacat ttgatttcta 300
 agaagcttcg tcgtgttctt tccattntg tgtgccccat tgtccagggtg aagatcttaa 360
 tttttcacat tcattctttt taaaaaaact ggtctttatt gtatggaaaa t 411

<210> 10463
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10463

ctcagctttt atccaggtct atcttgggtg tgaagctctn ttttccatgg cttattcctt 60
 aatggatggc gcctcctctc acctcttctc ctttgtcttc cgctgcatct ccatggtgaa 120
 aaatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagctccaca 180

agcaagcttc catcaaaatg gctcgaagcg gcttctctaca ccaatgtcac gaggagtgtgta 240
 gtggtcagat tcatcaagag ggaactgatt tgteggtagc gactccctag gaagatcatt 300
 accgacaatg gtaccaatct gaataacaag atgatgtagg aaatgtgcgc ggatttcaaa 360
 atccagcatc acaattccac gccctatcga ccaaagatga acagagctgt ggaagca 417

<210> 10464
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10464

tgccaatgct ctattggcta atgagtcggg ccatcctctc gaattccaat cgaatcatga 60
 gtcacacat aaataactcc agcttcacac agtgcagaaa tccatatggc aactctcacg 120
 tagtcagtga agacaaaggc catttagatt ttgctgaaac aaatttcttg tagcatctgc 180
 agggcttttt ggagtgtatg tatgaaagct gaaatttaac tagaagggtg gtcaataatc 240
 cagaaaaaat gatggaagtc aagttttatt tatcttaaaa ctttgaaggc tatacatgca 300
 tgaagcaaaa agatggatga tgagtaaaga tgcaatgtac ttaatatgaa ttntaattgt 360
 aattaggaaa gttaatgaat ataacaaacc atggaaatga atcaccatca ttcagtaaa 419

<210> 10465
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 10465

ttaagcaccg cagctgcagc tctcatccac agcattccat ctgtgttctt attagtaaatt 60
 ctgatgcact tgccacaatt actaatgatt ccaaattatc atgattcctc actagttcag 120
 atatcaattt tacaatccgc tgattgattc tccacaactt ctgacctaga ttgtcatctt 180
 tggcaatcca tggctgcaat tccttctcgg cctgacaagc aacaagtcac gggatgaaaa 240
 atgaaatatt ttaaaaaaat ctacaaaatg gaagctgatt tggaacacag gttagatgag 300
 ctcttctgca taagatatct aaactttcta tacattaaaa gctatgtctc atgtgggaat 360
 ataatatggg aattcaaaaa ttctgtagcc tcgcgcgata attcctaaca attcttgact 420

aacaaaacac gtggcctacc catatt

446

<210> 10466
<211> 226
<212> DNA
<213> Glycine max

<400> 10466

gcattctgag agatgcttct gagcctgacg ctgagagaga tgttcaacat cttcccccca 60
gaagtttctg tggctgatgg cataagaatg tccaacatcc tccgctccaa tgctgaagcc 120
ctccctcacc cagtgaagag gaatcaacgg aagaagagga tcaagccgca taggagaccc 180
ctgcaccaat ggcaccagaa cctgctccag gagacctcat tgacct 226

<210> 10467
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10467

tgcagctgga ttcctttagt agggaaatcta tccttcttaa gatggagcca aaccagtc 60
cccttattaa gaactagctc tnttcttccct ctattgcctt tagttaata caccttgttt 120
ggttctctat ntggttctta accctctcat gcaacttctt tacaaactct gacctagatt 180
ccncttcttt atgtataaaa gaagtgtcta gtgggagggg aatgaggtct aacgagttag 240
gggattgaac ccatagacat cctcaaaagg ggactgcttg gtgggttctat gaaccnct 300
gttgtaggca aattctacat gaggaagata ctcatcccaa gacttatggg ngcctttcag 360
atgaaccctt aaaaggggtg ataaagacct attcactacc t 401

<210> 10468
<211> 378
<212> DNA
<213> Glycine max

<400> 10468

ttagcaactc tatgcacaac ccatacttc tggtgcaagg atgacaatga cctgttaca 60
aagtggctct cctagtcact gataatggct ctaggcacac caaacttgca aaaaatgttc 120
gatctcaca aatccacaac aactttagaa tcattagtta tgggtggcctt agcttcaacc 180

cacctagaaa cataatcaac aacaagcaag atatatgaaa aaccatgaga aataggaaaa 240
 agacctataa aatcaacact cgaaaccagc gaggctgaca gttgctccaa aatagctttg 300
 tegacctct ccatcatggc caatagatcc ttgtcaaaat acttgaactt ggtgggggtca 360
 gactgctatt agaacgag 378

<210> 10469
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 10469

tcttagtttc agatgatgca gttgagtttg tagctacctc atgcactcct ctaatgacta 60
 tagcatcatt tttggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggtctcggc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcactcttc 180
 tctccatatt actgagtcct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240
 tgtgagggca actggcacat atttttttta atctctccca gtactcatac aggtctcttc 300
 cactgagttg tctaatacct gagatatacct tctgatggc tgtgggtcta gaagcaggga 360
 aatttt 366

<210> 10470
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 10470

cttctatatt tcagctgatg aagattattt tatggctact acatgcactc ctctaattgac 60
 aatagcatca tttctggcac tcaattgctt ggacatagag acagtgtggg ggacacaaac 120
 actggctgca gcaaaggcca tgtctccaag ggctccacca ctggcagcat ctatcatgct 180
 tctctccatg ttactgagtc cttcataaaa atattggaga acaagctact ccgaaatccg 240
 atggtgaggg caaccggcac atagctttct gaatctctcc cagtattcat ataggctctc 300
 cccactgagt tgccaatgc ctaaaatatc cttctgacg gctgcgggtcc tggaagcaac 360
 gaaaattttt tcta 374

<210> 10471
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 10471

taactccaat aaaaatgatg agtctaagtg atatttatac caggcgcaat tattgttttg 60
 tggaaccaga aaattttgaa gaagcaatta agaaagatgc ttgggggaag gcaatgcaag 120
 aggaaataga tgcacttgaa aagaacaaga catgagaaac tggttgagaa gccaaaagac 180
 aaagaagtta ttggagttaa atgggtctac aagggtgaagc ataatccaga tggtttcagt 240
 ccaaaagaac aaagaaaaac ttgttgcaaa gggctattct caacagccca gtgttgatta 300
 tgaaaaaggt tgttgcaaac ttgttgcca catttgtaag agaatgtaat attttataat 360
 aaatcatcaa ttaagtcac 380

<210> 10472
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10472

cttcactaca tcaagaatca ccttggtgag tcttctctgn ggctgtctta ctggggttagc 60
 tccatcctct anatatattc gatgcataca tgtggatggg ctaataccan gaatgtccgc 120
 cagggtccag cctatagcct tcttattctt ctgagaaca gacaacaact tctcctcttg 180
 ctcatcagcg agggaggcag atataatcac tggaaaactt ntgctatcat ccaagtaagc 240
 gtatttcaaa ttgatggca gaggtctcaa ttctggtgtg gtcggctgga tagtggtaga 300
 aggagatggt ttctcaccct gtacctcata tagaaagtc gaggtatgtg tacttccta 360
 aatatggtta gtctatctg actctatnaa atcaatctca agaggtaaaa caccaccacc 420
 agacatgcaa tcaatatcac ttctagaatc actctc 456

<210> 10473
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10473

gcgtctccat atattactgt ctctaatect acatcgtagt aaaaagttat tgtcggttaga 60
atgtgctcag agcttctggt ctgaatattg agagtctcga tatactacgg aacacaatcg 120
gacatctcag taaaaagtta ttgtcgtttg aatttgctca gagcttctgt tettaattac 180
gagagtctcg atatattacg nggattcatt cggacatcca agtaagaagt tattgccgtt 240
tgaatatgct caaagcattc gttgtcaatt acgagcgtct agatatatta c 291

<210> 10474
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10474

ctgcagctaa cnagacatgc tgttctgcat atgaaggta tatgcagggc attctnnttg 60
gattatgatg gaacagtatt gccttccgtt gttaaaactc cgagtctga tatcattgat 120
gttctaaata ttctttgcag tgacctaaag aacactgtgt ttatagtaac tggcagggga 180
caaccacgct gagtgaatgg tatgatcagt gtgagactct tggatatagca gctgagcatg 240
gttattatct aaagtgagat attcctctcc tcaattctgc tgataatgat aatgcacatc 300
ctctatttat attttacaag aatgagaagg aagggaacca tatgagggag aaggaataga 360
tatgtaggtt ttcatacatc gacgatgcat atatttgcac catatgtagt ggattagtta 420
tctatacatc ctattggtaa gttct 445

<210> 10475
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10475

agcttncatc actaaccctc aggagactaa ggagatagat ctcatgttat agaattgttg 60
gagaagggtc gngtccaaga gagcctaagc ccatgtgcta tgccgatgta gttgggtgctc 120
caaaaggatg gtacgtggag aatgtgtaca gattgcatgg ccatcaacaa catcacgata 180
aagtataggc accccattcc tagactagat gatttgctng atgagttgca tgggtccaat 240
atctnttcat aatatgatct tataagtggc taccacaaa tcaggatgaa atagggtgat 300

tgtagtggt tagctctact gagctttaag agattggcta agattntggt aatacataag 360
 cacttagaca atgaatgaaa gctggagttg ctgcacatga tgtccaacgt tatgtcaagg 420
 aataagatct ggctgcaca 439

<210> 10476
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10476

tgggtcttca atttcgagcg tctcgactta ttctgttct caatcagaca tccgagtaaa 60
 aagttattgt catttgaatt tgctcagagc taaggcattc aagtccgagg gtctcgatat 120
 attacaggac tcaatcagac attcgagtaa aaaacttatt gccgcttgaa ttgctcaga 180
 gctttggtat tcaatttcga acttctggat atattacggg tctcaatcag acatccgagt 240
 aaaaaagtta ttgctgtttg aatttg 266

<210> 10477
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10477

taatgtgtct actatcnatt gtcacgtnt gtttgcatt gaggtgccac ttgagctgac 60
 aggtctctcc acctttgggc gtattctatg aaagatctgt gcccctttgt acacgttcta 120
 ttgttgcatc ctatcccgaa ccatacana attgtactga tactgcctaa tgaaggcaac 180
 cattangtcc ttccaagagt ggactcgaga atgttccatg ttagtgtacc aggtaacagc 240
 taccacagta agattntctt ggaaggaatg tatcagcagt tctcatctt ttctcgatgc 300
 nncatcttc cgataatata tcttta 326

<210> 10478
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 10478

taaacattca atttcgagcg tctcgatata ttacaggact cttatcagac atccgagtaa 60
 aaagatattg tcgtttgaat tggtcacag gctcaacatt caatlttgag cgtctcaata 120
 tattacgaga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttgggtcaga 180
 actttaacat taaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagatat tgtcttttga attgggtcag aggttcaaca ttcaatttcg agcgtctcaa 300
 tatattatgg gactcaatca gacatccgag taaaaagtta ttgtcgcttg aattgggtca 360
 taggttgaac a 371

<210> 10479
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10479

gtctaatega gtccattata tategagacg ctcgaaactg aatgttgaaa ctctgagctg 60
 attcaaacga caataactnt atactcgat gtccgattga gtgacgtaat atategggtc 120
 gctcgtaatt gaatgttgaa cctctgagcc aattcaaacg acaataactc tttatctcgg 180
 atgtctgagt gagttccgaa atatategag atgggtcgaaa ttgaatgtcg aacctctgag 240
 gcaattcaaa cgacaataac tatttactcg gatgtctgat tgagtcccgat aatataatga 300
 gaggtcaaaa aatgaatgta gaacctctga gccaaagtcaa acgacaataa ctctgtactc 360
 ggatgtctga 370

<210> 10480
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 10480

tttactcgga tgtccgattg agttctgtta tatatcgaga tgctccaaat tgaaaatagt 60
 agtctctagc aaattcaaac cataataact tttactcgg atgtccgatt gtgtcccgta 120
 gtatatcgtg atgtctgaaa ttgaaaacat aaggctctgag caaattcaaa cgacaataac 180
 ttttactca gatgtccgat tgagtcccgat aatataatga gatgtcccaa attgaaaata 240

gaagctccta gccaattcaa aacataataa ctttttactc ggatgtccga ttgagtcccg 300
 cagtatatct agacgcttga aattgaaata gaagctctga gcacaatcaa acgacattaa 360
 cttttttc 368

<210> 10481
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10481

ttctctacaa ttgcatcacc tetcaatgag ctggtgaaga agaatgtggc atttacctgt 60
 ggtgaaaaac aagagcaagt ctttgctttg ctcaaagaat agcttactaa agcacctgtt 120
 ctagctcttc ctgactattc taaaactttt gagctagaat gtgatgcctc tggagtggga 180
 gttggagctg tattgttaca aggtgggcac cctattgctt attttagtga aaaacttcat 240
 agtgccaccc tcaactaccc cacctatgat aaagagctnt atgccttaat aagagccctc 300
 cataactgng aacattacct tgtttccaag gaattngtca ttcatagtga tcatcaatca 360
 cttaagtaca ttagagggga aagcaagtta aacaagaggc atgcaaatg tgtagagtac 420
 ctatagcaat ttccatatgn tatcaaatac 450

<210> 10482
 <211> 175
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10482

aaataacaat ttagtgccca acttgctcca canagtctc caaaaatggc ttatgaacct 60
 agagtcctta tcaactaaca tgetccttgg ctaaccatgg agtctcacia tctccttgaa 120
 aacatatcag ccacatggga agcatcatca actcttttac atggaataaa atgag 175

<210> 10483
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10483

taatccaatt aaattntata tggggaggtg agcatttgct tatttcaccc cattgtcaca 60
 tcatatagtc acactttgta catgtccttc atgctttata tgccatcatga cacctaagca 120
 cacttagtgg agaattttgg aattgatctt ggattagtgc gctgaaccat aactaaaatt 180
 cactaatcat aattagtga attttgactc caaagtttgg ttccacaaat tcaagtaaaa 240
 tttgaattga aattcaaatt tccctccaat tttgtgaca cttaggctat aaatagaggt 300
 catgtgtgtg catttttttg aactttgatc atttgaatat tgaactttag atttcagagc 360
 tcttt 365

<210> 10484
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 10484
 tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
 agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
 gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccce 180
 aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
 tattgaagaa gatgaggagg taactatggc tcgatttctt aatgggttga ctaatgatat 300
 ctgtgatagc tgcaggagtt tgttgaaatg gatgatttgc ttcacaaagc aatccaagtg 360
 gagcaacaat taaaa 375

<210> 10485
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 10485
 ttgaatgctc tattcaatgg agttgtactt taatatcttc agactaatca acacttgcac 60
 agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagttaa 120
 gatgtccaga ttgcaactct tggctacaaa attcgaaaat ctgaagatga aggaggaaga 180
 gtgtattcat gacttccaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
 agagaggata acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt 300

tgacatgaaa gtcactgcaa tagaggagggc ccaagacatt tgcaacatga gagtggatga 360
actcatt 367

<210> 10486
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10486

tgctctganc cggctncctt attcgattgt tctatcattg ggnntagttt cctattcaag 60
tttactatt cttgaaagat ggccagcaca atcaagatcg agaagttcac aaggaagaac 120
aatttcaatc agtggcaa at caagatgcga gctctgttga aggaacaggg catctgggca 180
ccactctcca gcagatcctc caacctagaa gcatcctttc tggagcaaca agaagaaaag 240
gctcactcgc tgattcttct gtctctctca gatgaagtgc tctacgaggt ggctgaagaa 300
caaactgttg ttgggttggt gctgaagctg gagaaactct acatgacgaa gtccatct 358

<210> 10487
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10487

aaatctaagc tggatcacat tggggcaagg ttttttttat ttggctgcaa acaagtctga 60
catagttctg ctatccacga tgaaatctat gatgtctgga tgagtgggaa ccactctcng 120
acatgctcac atctattgct gaggcagatg tggttttcac caacacagca tcagagaatc 180
cattgatctt gacggaggat gtaaaggacc ttctctctgc caccaatgaa gttggtggcc 240
gccgcctgta caccaagatt tctgttctca gaaatgtcgg atcatgtctc tcacaccttg 300
agtctgtgag agggtagatt gttgatgacc t 331

<210> 10488
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10488

gcttatgctg canatatgta caatagacct tctcttctat cagcagaatc aaccacagca 60

gagcaattat gaccgttcca gcaacagata caacctgga tggaggaatc accctaacct 120

catatggtec agccctcatc aacaacaaca acagcctgct cctttcttcc aatatgctgc 180

tggeccatat tgaccataca ttctctcacc aatccaacat catcatctac tccagataca 240

accaacagat gatgcccctc cacaaccttc cctcgaagaa cttgtgagge gaatgactat 300

gcagaacatg cagnntcagc aagagaccag agcctccatt cagagctta 349

<210> 10489

<211> 369

<212> DNA

<213> Glycine max

<400> 10489

tctcgatata ttatgtgccc gaatcggctt ttcgtttgaa aaattattac catttgaatt 60

tctcgagagc tttggctggt cagtttccag tgtctcgata tattatgcgc ctgaatcgga 120

cttttgtgtg acaagttatg aacatttgaa tttctcgaga cctttcgggt ttcaattaag 180

atcgtctcga tatgtgatgc gccagaatcg gacttccgtg tgacaagtta tgaccattgg 240

aatttatcga gaccttcoga tcttcaattt cgagggcttc gatataattat gtgcctgaat 300

cggactttcg tgtgacaagt tatgaacatt ggaatttctc gagaccatac gttgtcaatt 360

tcgagcgtc 369

<210> 10490

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10490

agcttctaga tatattatgc gccggaatca gacttccggt tcataagtta tggccatatg 60

aatntctcga gagcattcgn tgctcaattt cgagcgtctc gatatagtct gcgcgtttat 120

cggacttccg tgtgacaagt tatgaccatc tgagattctc gagggcttcc gatcttcaat 180

ttcaagcttt tcgatataatt atgcgcctga atcagacttt ctgtacacaa gttatgacca 240

tatgaatatc tcgagagcct tcgttggtca atttcgagcg tctcgatata atatgcgcct 300

gaatcggact tncgtgtgat agagtat

327

<210> 10491
<211> 166
<212> DNA
<213> Glycine max

<400> 10491

ttatctttta gatctttaag tgcagatttt catgtataat gatagatctc atccagcgca 60
agttgttgca gccagatac gcacactgct atataaacat gaaagctgca cgagttttcc 120
accaagtccg ggattgaaga gttattttgt gagttttggg acttga 166

<210> 10492
<211> 422
<212> DNA
<213> Glycine max

<400> 10492

agcttcctcg tggcttcttt gagaagcttt ctcaagaggc ttctttgaga agctagatcc 60
ttatctatcc acacccctct attaactaaa ttaacttctt taaaaataat tacggatgaa 120
aataacgcaa caaatattca aacatcaaac ataattacta atagtatata gatatatata 180
tatcagggty ttacaactct cccacccttt tagaaatttc gtctctgaaa tttaccttac 240
tcaaacaagg atgggtgagc ttctcacatc tgactttcta attcccatgt ggcactttct 300
cctgatgcac ctccccagat caccttgacc aacagaatct ctttccctct taggtgtttt 360
gtttgectat cctcgatcct caaatgcaat gtttcatatg tcaaattctc cttcacttgt 420
ac 422

<210> 10493
<211> 414
<212> DNA
<213> Glycine max

<400> 10493

agcttctatc ttcccatgac ttttttgta ttctgtaaa aagcaatctt ctcccgctga 60
tttcatcaa agattctaca catgttggtc aactgtgcaa agttatgaat accgtgataa 120
tttaccatca tctttacttc tggctgaagg ccattgacaa atttcacgca tttggacctc 180

tccccagctt ccccttgata atgaggaaaa taccttaciaa gggttctcaaa cctcgccgca 240
 cactctgcca ccgtcatact ttcattgtttc agctcaagaa actccatctc ctctctattc 300
 ttcacatctt ctggaaaata cttctccaca aaagtgtgtc tgaaagtctc ccattggaca 360
 acaacaccac ctgtctccctc taaacgtggg cgagtgttct cccaccagta ctcc 414

<210> 10494
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 10494
 agctttgagc caattcaaac gacttatact ttttactcgg atatctgatt gagtcccgta 60
 atataatgag accctcgaaa ttgaatgttg aagctcttag attcaaacgt caataagtat 120
 tttactccgat gtctgatttt gtcccgatc atactcgagac actcgaaatt gaatgttgaa 180
 gctctgatcc aattcagacg acaataactt tttactccga tgtctgattg agtcccgtaa 240
 tatatcgaga cgatcgaaat tgaatgttga atctctgacc aaattctaac gacaacatct 300
 ttttactcgg atgactgatt ggggtctcga acatctcgag acgctcgaaa ttgaatgttg 360
 aacctccggg ccaattcaaa cgacaataac attttactcg gatgtctga 409

<210> 10495
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 10495
 agctttgtac gttgacgtag gtgttattga acaaatataa cacatcccaa aacatgaggt 60
 ggtaaataaa ccctgtaagg aaggatacaa tgaccagaca atacatctag aggccttcta 120
 aagttaagca cactagaagg ggttcaatta atcaaataaa ctgcagatct cacagcctca 180
 ccccataaat gagatgggac attatcatct atcaaaagtg atcttggtcac ctctaataa 240
 tgtctatttt tctctcagt cactccattt ttttgtgggtg aataaagaca tgtgggttga 300
 tgcaagattc cattagagat cataaactct attaatcag tcttaaaata tccccctca 360
 ttatctgatc taatgacctt agtatatgtg ttaaaatata tagctatcat ctgatgaa 418

<210> 10496
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10496

tcaacatcag accacttcca ggggtgatgga acttcttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtg gttgtggatg atttctccag 120
 atttacctgn gtcaacttta tcagagaaaa atcagacacc tttgaagtat ttaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtgatcaag agaatcagga gtgaccatgg 240
 cagagagttt gagaacagca agtttactga atactgcaca tctgaaggca tcaactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa ac 352

<210> 10497
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 10497

tgaggggtga acagatgcct ggggtaacct ggttacccat ctgtccttga atcagaagtc 60
 tgtacctgtc gcaagactct gtgggtttatg ctctctgcc aaccaccaca caaacctttg 120
 cccttctatg caacaatctg aagcaattga atagcctgaa gcttatgctg caaacatcta 180
 caatagacct cctcaacctc agcagccaaa tcagccacaa cagaacaatt atgacctctc 240
 ccgccacaag aacaatcccg ggtggaggaa tcatcccaac cttaaattggc cgaatccttc 300
 caacagcaac aac 313

<210> 10498
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10498

agcttntana atttatatca aattatctat gangattaaa gaatctatcc atgttgcttt 60
 agatgagact aaccctataa ggccaagaaa ggaaacactt gatgatatta taggttcatt 120
 agaagacatg cacattgatg agaaagggct caaaggcgca ggaaatggaa atgaagaaga 180

ctgtcaaatt gatgaaaata aaacaaatat agatcttcca agagagtgga gaacttcaag 240
 acatcaccct cttgataata tcattgggtga catctcaaaa ggggtaacaa ctcgacactc 300
 tctcaaagat gcatgcaata atatggcttt tgtttcctta attgaacctt aaaattttaa 360
 tgaaatcata attgatgaac attggattat t 391

<210> 10499
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10499

agcttgaggg aaaacttgat gccttgggtct tcctagtaac tcagcttgcc atgaatagga 60
 aatctgctcc tgttgcaaga gtctgtgggc tatgttcttc tgtagatcac cataaagatc 120
 tttgtccttc tttgcagcaa tttggagtca atgagcaacc tgaagcttat gctgcaaaca 180
 tttataatag acccctcag cagcaaaacc aacaacagta gaataattat gatctttcaa 240
 gcaacagata caatctaggt tagagaaatc atccaaatct gagatgggca agtcctccac 300
 aacaacaata gcatgtccct cttttccaga atgttgctgg tccaagcaag ccatatgttc 360
 ctctccaat acagcagcag tcacaacaaa gacaacaagc aactg 405

<210> 10500
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 10500

agcttatcgt tagtttaatg gttttatatt acatcttata aaattttggg ttacctgat 60
 tttataagat ctttaaagtt atatattttt cctaattgtt ggcaaagaac attatccaac 120
 ttttgagatt gagtaagggt atgtgaaaaa gtaaactgtc atcgtgtctc atacagcctt 180
 ttatatctta tctcggttta tcattctatc cagccttttg tatattaatt taaattttaa 240
 tatgaattat ttttaaatac actaaaatac tatactattt tttgttggtt gacttctcaa 300
 ctttcattta tatgtgtaac aacctatatt gaattaagga ttaggatttt tgttcatctg 360
 gatatgatga tattgaatcc attcttgtcc tcgagataaa atatctagaa ttgatagttg 420
 tg 422

<210> 10501
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10501

tgntgngtgt gtatgataat gtcctaata gttcctcta tgattgtttg catgacacca 60
 acaatagcaa tggtgttgtt ccttgtcat ggaaacgaag actccacatc tgcattgggg 120
 tggctcgtgt actacataca ctacatctat ttggaacca acatacctat catactccat 180
 acagtgaat caagcaacat tcttttggcc ctgaatttgg tgcctagtgg cagattttga 240
 gttttgcaag aagtccecaa gggattcaat gccaaaacca ccaagagttg agttgagggg 300
 gaacttaata acttttgggt ggtgtaactg attctgaatc ctaactttgg tcttg 355

<210> 10502
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 10502

tttgagcaat tcaaatgggc ataacttttc cttcgggggc agattcaggc gcataatata 60
 tgcagacgca agaaattgaa caacggaagc tctcgagaaa ttcaaattgt cataactttt 120
 aacacggaag tccgattcag ggcataata tatcgagact cacgaaattg aataacggat 180
 gctctcgaga aattcaaattg gtaataacct ttactcgga tgtcagattc aggtgcataa 240
 tatatcgaga cgctcaaaat ttaacaattg aagctatcga gcaattcaaa tggtcataac 300
 ttttacttg gaggtccgat tctggcgcat aatatatcta gacgcacaaa atttaactac 360
 ggaagcta 368

<210> 10503
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10503

agcttaacaa tcagtgtcat acttttgttt ataacaaagc aggtataaat atgcaatact 60

agactcaaaa tatgcaacaa acactagacc taaatcagtg tcacagaaat tggaagaaaa 120
 tattttatcc aagcacagac ttcaagcctt attccatgta ttggggggaa gttatggctg 180
 gccatatggg tagaggtgtc atagaagagc aggtatggag gaagggacct tggactgctg 240
 aagaggacag gttgcttggt gagtatgtca ggttgcattg tgaaagcaga tggaactctg 300
 ttgctaggct tgcaagtaag aaacacaaaa cttttttcac tgttttgttt cttaatatat 360
 atgattggat tttcacattt ataagtgaca atatagcaaa aaaacaactg aaattgtttt 420
 caact 425

<210> 10504
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 10504
 agcttagccc tagaggggat ggttcttttc atgttttggg gaggatcaat aacaatgcct 60
 ataggttggg cctcccagaa gagtatggag tcagcaccac ttttaacatt tctgatttaa 120
 ctctttttgc aggtggagct gatattgagg aggaggaact aacagatttg aggtcaaacc 180
 ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa gggaccaacc actagaacca 240
 tgagcaagag gctccaagaa gattgggcta gagctgctga agaaggccct agggttctca 300
 tgaaccttag ggtagatttc tgagcccatg ggccaagggt gggccaatt atctttgtac 360
 atattagact aagatgtcat tatatttggg ccttgatatat agggctccat attgt 415

<210> 10505
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 10505
 aactaattga taaccgatg aagagcattt ttggggcgtg tctcttctta caggttccca 60
 tagacacttt ataactgatg ttgcatgat tacatttggc atacatatca atcaaggcag 120
 tttccacaat gacctcagac tcgagctttt gccttattgc ccatgcatgc aggcacttgc 180
 catatttgaa ataaacaaaa ctgccacatg ctgatagaaa agaagctatg cttaccgaat 240
 caggtttaac tcttccacac tgactcctac gaaaagcatc agatcacttc tatcatcccc 300

attcaaaatt atccattaat caaagtagtc catgtaacca catctttctc atccatcctc 360
 ttcgctagca accatgc 377

<210> 10506
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 10506
 agcttttcgcc tcccgatattt tcttttatga gccccgcaag ggcgcgcgaca tctctgtgga 60
 ggcgctggag cggcagggcg tgacggacgt cttcgcttac cccggaggcg cctccatgga 120
 gatccaccag gcgctcactc gctcactctc catccgcaac gtctctcctc gccacgaaca 180
 gggcggcgtc ttcgccgcgc agggctacgc ccgctcttcc ggctctcccg gcgctctgcat 240
 cgccacctcc ggccccggcg ccaccaacct cgtctccggc ctgcgcgacg ccttgcttga 300
 cagcgtcccc ctgctcgcca tcaccggcca ggtccccgc cgcctgctcg gcacagacgc 360
 cttccaagaa acccccatcg tcgaggtaac acgttccatc actaagcata actatctc 418

<210> 10507
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 10507
 tttgagcaat tcaaatggtc ataacttttc acttttaggt ccgattcagg cgcataatat 60
 atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaatgg tcataacttt 120
 ttaactcagat gtctatttca ggcacataat atatcgagac gtcacaaatt gaacaacaga 180
 agctctcgag aaattcaaat ggtcataact tttaactcgg aggtctgatt gaggcgcatt 240
 atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 300
 cttttcac 308

<210> 10508
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 10508

agcttccatt gttcaatttc gaggttctcg atatattatg cgtttgaatg agacctccga 60
 gtgaaaagtt atgaccatctt gaattgctca agagcttcca ttgttcaatt tcgagcgtct 120
 cgatatatta tgcgcctcaa tcggacctcc gagtcaaaaag ttatgaccat ttgaatttct 180
 cgagagcttc cgttgttcaa tttcgagcgt ctgatatat tatgcgcctc aatcggacct 240
 ccaaaataaa agttatgacc atttgaattg ctcaagagct tccattgctc aatatcgagc 300
 gtctcgatat attatgcgcc tgaatcggac ctccgagtga aaagttatga ctatttgaat 360
 tgcttaagag cttccattgt tcaatttcga gcgtctcgat atattatgcg cctg 414

<210> 10509
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 10509
 tctacggttc tgcacccaga gagatgaatg aattttgatc tatgagtaca tgcctaacaa 60
 gagcttaaac ttctacctat ttgtttggct tttggcttat cttctgtcaa aggaaaaatg 120
 tctacatgta gcatatttac agggccacct tactttgaaa cagattcacc tagaaagaat 180
 ttgctagagt gagaaaaaca gttgaacatc attggaggaa ttgctcaata acttctatac 240
 cttccaagta ttcaagacta aaagtg 266

<210> 10510
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 10510
 taaatatcga gcgcactcga tatataacga gactattagg acttccgagt gaaatgttat 60
 tgtcgttcga ctttgctacg agcttaggtt ttaaaattcg agcgtcacga tatattacgg 120
 gactcaatca gacttccgag tgaaatgtta ttgtcgttcg aatttgctac gagcttcggt 180
 tttaaaattc gagcgtctcg atatattacg ggactcaatc ggacttccga gtgaaatgtt 240
 attgtcgttc gactttgcta cgagcttcgg ttttaaaatt cgagcgcac gatatattac 300
 gggactcaat cagacttccg agtgaaatgt tattgtcggt cagaattgct ac 352

<210> 10511

<211> 308
 <212> DNA
 <213> Glycine max

<400> 10511

taagcctata gaaggcaagc atatggcctt cttgatccac acgcgacaat atcagaaacg 60
 agtgaagaac acttttgaca agaaggtacg cccgtgccgg ttcacgcaat gggactcggc 120
 gctgaagaaa gtctcccaag ctttgaaaga taccagaaga aagtgtgccc caaactatga 180
 tgggcctttc attgtaaaaa gggctttctc ccgagggggc ctgggtgctcg ccaacatgga 240
 ttractaggag ctaccttttc ccgtgaactt cgacgttgtc aatcgatact acgcttaaca 300
 tctggggc 308

<210> 10512
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 10512

agcttgcatc ctgagacttt ctttttgata tatacacatg ttgcttatga gtacatggct 60
 aatgggttcat tggataaatg gatattcaac aagaacaaag aggaatttca gggggattgg 120
 gatacaaggc ataacatagc acttgggaata gcaaaaggac tcgcttatct acatgaagat 180
 tgtgactcaa acattattca ttgtgacatt aaaccagaaa acgtgctcct agatgataat 240
 ttcaggggta aggtttctaa ttttgggttg gctaagctca tgaaacgtga acaaagacat 300
 gttttcacia cacttagacg cactataggg tatcttgacac ctgagtggat cacaactgt 360
 gccatatcag agaaaaatga tgttgatagc tatgggtatgg tgttgctaga gatca 415

<210> 10513
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 10513

tgttacatat gttctcaaca ccaaaacgtt tgttgatct agtaagcatg tctgcaagtt 60
 ggtcaccgga gttgacaaag tcaatgatga tttctcctga gagcaccttt tctctcacia 120
 agtgacaggc aatttctatt tgggttagtct gtcacggaa gatcggattt gatgcaaccg 180

ggagagcaac ttgattgtcg cataatatct tgagtgtctc caatttttagc tgggtggagaa 240
 tttgcctagc catgtaacct tggatgcaat agctgccata gcatgacact tagctttaac 300
 actggatata gcaaatggat tctgcttggt actc 334

<210> 10514
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10514

agcttagtgt ctngagtgtt tcttacttt aattgntgga gaagttgect aagccatgta 60
 atttcgcatg caacttctgt catggtatag tattcaactt cagcgttgga tctcgcaact 120
 atattttgct tcttgcttct ccatgagatc aaattccctc caagcagaac acaatagcct 180
 gaggtagaac tctgtccaa tcagcactag agtaacaaac aattttgaca ttgtcttcgt 240
 cttcatatag aaatccgtgg cctgggtgct tcttgatata tctgagaatg cgcattgaaa 300
 cattccaatg gctatcacia ggggcattga gcaattgact taacactctg caaaagtgat 360
 gtctgggtctg gtgacactga ggtaactgag tctgccaaca agtttgtgat atcttcttg 419

<210> 10515
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 10515

tttgcccaat tcgctgttga tctcgataat gcttctcaa atcaattagc aagaggtcaa 60
 cgattgcgcy agttgcttaa acaatcccaa tcagctctc ttaccgggga agaacagata 120
 ataactatct atactggaac gaatggttat cttgattcat tagaaattgg acaggttaagg 180
 aaatttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300
 gaacagatgg aactctgttt actacaggaa caagtcgaaa aaaattgatt aatca 355

<210> 10516
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 10516

gogggggaac gctagctccg atagaaaagt tatgaccatt tggattgcc aatagctgtc 50

atagaacaat ttccagcggt tggaaatgat atgcgccttg atcggacctc cgagggaaaa 120

gttttgacca cttgaattgc tctagagcct tcgttgatca atttcgagcg gcttgagata 180

ttatgcgcct gaattggacc tectaattaa agctttgacc atttgcaatg ctcatgagcg 240

ttgatagtc aatcacccgc attttataag tgtatgcacc tgaattggat ccccgagtga 300

gaagtttggc ccattggaat tgaagaaaag gaatcactgc ttgatcttcg a 351

<210> 10517

<211> 226

<212> DNA

<213> Glycine max

<400> 10517

ttgcctcaca agttctctca gggaagggtg cgcaggggtc tcaactgctg gttgttttcg 60

gggctgttgt cgttgctgga ttggcggagg aatgtatggt ctgcttgggc catcacccat 120

ttggaaggaa cgaccctgct actcgtgttg ctgtcgaggg ctataccatc tgagattagg 180

gtgattcctc cccccaacgc tgcttctatt gctggagagg tgataa 226

<210> 10518

<211> 362

<212> DNA

<213> Glycine max

<400> 10518

ctggacttcc tgtgttttgg gaacctctcc ttctcaggt gtacccaaac ccaatcaact 60

ggttcaagca tgactttctt tctgcttttg gtggcttgcc ttgcatagct cgcatttttc 120

ttttcaattt gggccttcac ttgctcatgc aacttcttca catactcagc tttagcctgg 180

gcaccccttat gcttaaacad agcaatgtta ggcattggca acaaatcaag aggagtcaaa 240

ggattaaatc catacactat ctcaaattgg gaacaattag ttgtgctatg gacagcccg 300

ttataagcaa actcaacatg aggcaaacag gcttccaag atttaagatt tttctttaaa 360

ac 362

<210> 10519
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 10519

agcttcaaga attatggcct catttaacta cttgtttctc gagggaaatt ctataaacag 60
 acctcccatc tttaatggac tgggttacca ctactagaaa acccgcatgc aaatctttat 120
 agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttcctcttat 180
 aatagccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
 attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300
 atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360
 acatgaaggc acaacagatg ttaaaagatc taggataaac actttaattc gtgaatatga 420
 actt 424

<210> 10520
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 10520

agctttgaat ggaggctctg gtcttttgca gaaactgcat gttctgcata gtcatttgcc 60
 tcacaagttc ttcgaggga ggttggtgag gggctcaac tgttggttgt ttttggggct 120
 gttgtgttg ttggattggt ggaggaatgt atggctctgt tgggccagca gcattttgga 180
 aggaaggagc aggctactgt tgttgctgtt gagggctaga ccatctgaga ttagggatgat 240
 tcctccatcc aaggttgtat ctattgctgg agaggatgata attgttttgc tgaggttggt 300
 tttgctgttg aggttgagga ggtctattgt aaatgtttgc agcataagct tcaggcttct 360
 caattgctcc aggttgctgc atggaagggc aaaggctctgt atggcggtca gca 413

<210> 10521
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 10521

tgtgcctctt cacgtctgga atatgaatgt atttataga tccaaagacc cttaggtgct 60

ttgctgatgg cttcctcccg ttccaagctt caattggagt cttgtctttt acagaacttag 120
 ttggacatca gttgagtatg taaacagcag tgtaaactgc tttagcccag aatgtgttat 180
 gtacttgagc atcgatctac ccattctccat aactgagcaa ttctttctct ctgacactcc 240
 attttgttga ggaggata 258

<210> 10522
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10522

taacaaaagg catgtgaagc ggggtggaatt tctagagcaa ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaatnt 300
 gcttggttgg gaagcacatg aaggagggtt aatggggcat ttg 344

<210> 10523
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 10523

tataccaaat tcaaacgaca ataactttat ttttgatgtc cgattgagtc ccgtaatata 60
 tcgagacgct aaaaattgga aacggaagct cgtagacaat tcaaacgaca ataactttt 120
 actcgaatgt cctacagagt ccacgaatat attgagacgc tccaaattga aaacagatgc 180
 tcgtaccaa ttcaaacgac aataactctt tactcggatg tctgatagag tcccttaata 240
 tatagagatg ctccaaattg aaaacagagg ctcgtaggcaa atttaataga caataacttt 300
 ctactc 306

<210> 10524
 <211> 482
 <212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 10524

```

tagtgtagtt aggaggtagc cttccctcga agtaaggcta gttatcttct tectctccct 60
cgtgacctct gtcataaca cactgagggg tcaaatgtc acaaaaatga ttatcaacat 120
gactattaaa cagatgagac caaatgtca gaaagtttct attggactaa tatcccaaatt 180
tgtgtttcat ttaaggggta aaatataatt aattttcatc ttttcccttt ttttatgggt 240
tcacttatta actataaaga ctaaaaggga taagtttggg aactatagag actaaatgag 300
taattaaacc tttnttattg ttacaagcat aacattacaa ttaataaaca ttntaaaaaa 360
taggaaagca agcttaagtt agaacaaaca taataataag cataatatng attaaaaaac 420
ataatttatt tgttgctcca gaaattctaa tgtgacaata tntccaaaat atgatattca 480
ac 482
  
```

<210> 10525
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10525

```

ctaagcttat atgcaggacg cattgagtgg tccctctatc ataagaagct ttctatcttc 60
tcaaatccgc tatgatcaac accccagttc tggcccttcc catattccat gaaccatatg 120
tcgtcgagac agatgcttca cgcactgccg tgggggctgn gctctcttag caagggcacc 180
cattagcgtt cttcagcaag aacttcaacc ctgcctgct taatgcgtca acctatgtga 240
gggaactcca tgctatcaca tncgcagtgc gcaaaaggag gcaatatctc ctgggcagct 300
cttcacgata cataccgata acaagagtct tcgcgagcgt atgactcagg tgattcaaac 360
gccagaacag cactatcacc ctttcaaata gctagggctt gatacacaat tcaatac 417
  
```

<210> 10526
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10526

ngctaaccca tggaagctcc taatatctcc cactcttttt tgggtgtgcc attcttggat 60
 ggccttgatt ntctcggggt ccacttggac cccatttcta ctaattacaa accctaagaa 120
 aactatatta tcaacacaaa aggtacactt ctctatattt gcatagaggg tgtntttcct 180
 aaggactgaa agaagttgcc taagatgtcc taagtgatta tctaggctcc tactgtgtcc 240
 taaaatatca tcaaaataaa aaactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtaagccca aaaggcataa ctacttctct 360
 atgcaaatat agagaagtgt acctntgtg tagataacta cttttcacac tactnttcaa 420
 tngaaacttc ataact 436

<210> 10527
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10527

agctntaata taaagaatta tataaatata atttctctta tcatatgtat taattataaa 60
 tcttcatatt atttaataata tattatgtct catattatat gacacgttaa aaagttatat 120
 aagtcaatag aaatatctta ttgtgcgggg aaatttgaac aaaataacat tgtttttact 180
 taaaaattgt caaaatcctt ttctcttgct ttattttttt tcttctatat ctgtattgtg 240
 gaaagtatta tgaaaattgt acgcaaaaat taaagattat aaaacttaaa cttccaatac 300
 ccgaaaaaaa agtctcgaac ttccatcata ttcataggaa aaaaaactag taatatattc 360
 tagcattaaa aaaaggaaaa atgaagccaa aaagaggaaa gaatgtatat atattctaga 420
 tcactttcta tatgggatcc a 441

<210> 10528
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10528

ngccgccaca gagntttctg actatgtctt tgtgtggtgt aacatgtctc aaaaggagag 60
 agcaagaaat gaagagccaa tgggtgatac atgggcggag atgaaaagga tcatgatgaa 120

gcgggtatgtg ccagctagtt actcaagggg cttgaaattc aagctccaaa aactaaccca 130
aggcaacaaa gggggttgagg agtattttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
gattgaagaa gatgaggagg taactagctc ggttttcttaa tggtttgact aatgatatcc 300
gtgatattgt tgagttacag gagtntgttg aaatggatga tntgcttcac aaagcaatcc 360
aagtagagca acaat 375

<210> 10529
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10529

agctggnttg atcaatatca agaaagtttt cttatgtatt tattattctg ataatagttc 60
atagcttaga agttattata ttatatatat aacttataaa ctcgtagcgt ttttcttttt 120
cttccatttt tacattagta gtgtgataaa ctctattttt taataattct gtgcattatc 180
ctttctaact gttttaatac acatccctac tattattgaa ttttcataac atattcgatc 240
tttacaataa taaagagttt aagggttaata caaaatctaa aactatagtt gcctaagagt 300
attntttttt atctactaac aaatagaatt tatactaaaa tttatataat gggcgaagca 360
tatgccttga gtccatgcta ttatatctat attatt 396

<210> 10530
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10530

agcttcatat gtttatgttt tctggccatt cacaccttat tattactatg cagntaccga 60
tcgtccagaa acagcanaag aagctaccaa gttcttcatt attctgaaac aatattccgt 120
caatgccgtg tgtgatattc ttgtttaaca agctcttgtc ttggttnttc tttataaaaa 180
aaggaaagtc ttttgaactc ttggaaactg aaaagcatat tatcacatct ccaaacta 240
tgacttcaat caaattgata aaataaatat ttgattttga tttagttttt tagttaattn 300
taaaatcttt ccgttnttaa tttataaatc aattcttttt ttagtcttaa taatttttat 360

actttttcgt attatatatg cattccagtg ttagtcttat attatatctt caaatatctt 420
 caattatggt taaaataaaa tatgtgttcg tattatctct cataat 466

<210> 10531
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10531

aagctgcacc gatgaaacac agggaccacc gagggggttc caaggagccg catgaaggcg 60
 tgttcgangt ccttgctct nggatcctcg tccagctcgt gcacggttgg gttcacaccc 120
 atgccgcaga agagcctctg gatggcgtgg cacatgcagc acgtgctcac gctgaatatc 180
 accaccgcgc tctccgacgc cagcctttct atgcgctcca gcgggtcccc cactaccgcc 240
 gccgcgcgt tccgaggggc cggcacgtag ctccccacc acgcgcgcgc cgctgcttgg 300
 taatgcattc tcagaagaat tntatgtgat gaaagaatga cagcggaaat gtatgataat 360
 gagagtgaga atgtagtggg tttggcttgg tttgtttgtg tg 402

<210> 10532
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10532

agcttaaata taattataac agagaagaga gactgattat caataactaa cttaactaac 60
 taatcataat ggactaatta agctaaacta actatggtaa taattctaac taaaactggg 120
 tgtaatactc ccctcaagt taggtacata gatgtctaga aggcctaact tggacaaaaa 180
 aaagagaatt tacagtgagg caatacctta gtgaagatgt agcaagttgt tgatgagtag 240
 ataagtgtac cagcttgata aaaccagagt gcacatattg ccttatgaaa tgacaattag 300
 tatctatgtg cttagacctt tcatttgaag ttggattntc agtcaatgca atagctgatt 360
 taaattntat canaaataaa attaaaataa anatgtattt aagccttaca atttccaaca 420
 agttttgaac taaatatgan agctatccta nttcattac ttccatatt ctattataag 480
 tgtcatat 488

<210> 10533
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10533

agcttatata tatcgatacg ctcgaaatta aacatcgta actctcacga aattcaaata 60
 gtcataactn ttcacacgga tgtccgattc gggcgcataa tatgtcgaga ggctcgtaat 120
 taaacaacgc aagctcttga gagattagac tggataact tttcacaccg aagctctcgt 180
 gaaagtcaaa tggacataac ttt 203

<210> 10534
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10534

tccatttcaa cttggagcgt ctcgatatat tactgggtgc aactgtacat ccgtgtataa 60
 agttatgggc gtctcaatnt gctcagagct tctgttctaa aatttgagcg tctctaaata 120
 ttacgggact caataagaca tctgagtaaa aagttattgt agtttgaatn tgctacgagc 180
 tctcgttttc aacttggagc gtctcgatat ataacgggac tcaatcggac atccgtgtat 240
 aaagttattg tcgtttgaat atgctacgag cttcagtttt caatttggag agtctcgata 300
 tattactgga ctcaatcaga catccgagta aaaagtt 337

<210> 10535
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10535

agcttgtagc aatatcaaac gagaataact ttatacacgg atgtccgaat gagtctcgta 60
 atatatcgat acgctccaaa ttgaanacat aagcccgtag acaattcaaa ggacaataac 120
 tttttactcg gatgtccgat agagtctcgt aatataatgg gacctccaaa ttgaaaatgg 180

aagctectat caaattcaaa cgacaataac tntntgctcg gatgtccgat tgagtcccg 240
aatatatcga gatgctcgaa attgaggaca caagctctga acaatattga acgacaataa 300
atattattctc ggatgttcta ttgagtcccg taatatatcg tgctactcca gattgaaaat 360
ggaagctcgt aggaaattca aacg 384

<210> 10536
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10536

agcttgaaga aaagactata tgaggatatct tccttgtgta tagcaatatc tctaagggct 60
actgtgtcta caacttgcaa gctaagaaac tcgtcatcag tcgagatgtt gaagttgatg 120
agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
aactacctca agaagaagct gaggaagaag acccaggtga accacacaac aaaaagatca 240
agatctatca tcaccagagt ctactccaag acgagtaaga tcttttgtga acatatatga 300
aacttgtaac ttggccatac ttgaacctgg aagctntgaa gaagcgtcac agcatgaagt 360
atgggtcaag gcaatggaag aagagatata gatgatcgag aacaacaaca catgggagtt 420
agtaaactcg 429

<210> 10537
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10537

tactcagctt cacttntcgt tgataacctt gatgactcat atgcattcaa tctcatttcc 60
tccagctcca agagttgtaa ctntctttnt tcccctgata tagcctcatc aaaattcaga 120
aatttcaaag cccggtatgc ctttaagctct atttccaccg gtaagtggca ggcttttcca 180
taaacaattt ggaacagaga caggcctata ggggtcttga agacagttct gtaggoccat 240
agtgcacat ccagtttgct tgaccagtcc ttccaagtgg aagccacagt tttctccaat 300
attttcttca attccctggg ggaaacttca gctnnggcca tttttttgtg ggtgataagg 360

tgaggccact ntgtgtgtgg catgatagtg gcctagcacc tttngcagtt atgctgggca 420
 aaaataagaa gccgcatcac ttat 444

<210> 10538
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10538

gaagaatagc tctcanactt gtctccttgc aaaggaactt cctgttgggg gtgatcaang 60
 gcataagaaa atcccttggg tcaaattgga agtaatatgt ctccctaagg aggatggggg 120
 tcttggggtc aaagatatct ccaaattcaa tacagctttg atgggtagat gggatatggc 180
 tctatcttct aatcataatc agctgtgggc caaaatttta ttgtcaaat acgggggatg 240
 gtctgatctt agtagtggga gggataaatc ttggcattct caatgggtgga gggaccttcg 300
 aaagatatat caacaacctg agctcagtat tattcaccag caaatggtat ggaaggtggg 360
 aggaggggaa aaaataaatt ctggacagat attggtt 397

<210> 10539
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 10539

tgacttggcc aatcttaaga gagaattttt tcaacaaggc gtaaagtttt tgatgataca 60
 tgctctctca ttgtagatag tggttcatgt tgcaattgtt gcagcacaag attagtctct 120
 aagttgagcc ttgctatcac tccccatcca aagccttaca aacttcaatg gctcgatgag 180
 caaggtgaga ggataatcaa tcaacaagtg aaagtgcctt tctccattgg aagatataag 240
 gatgaagtga tttgcgatgt agttcctatg gaggcaggac accttctctt atgtaggcca 300
 tgtcaatatg atatgaatat catctataat ggccgaaata tgagataccc tcagcccctg 360
 gaataaagtt gtgtacatcc taacacttca cag 393

<210> 10540
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10540

ctggaactat cttacatgga cttgatgggtg tctatgcaag tngaaagcct nggacgaaag 60
 aagtatgcct atgtgggtgt ggatgatttc tccagattta cctgngtcaa ctttatcaga 120
 gagaaatcat acacctctgc aactgtcaag cactttcaca tctttggaag tccatgttac 180
 attctggcng atagagagca aatgagaaag atggatccca agaacgatgc acgaatattc 240
 ctgcgatact ctacaaacag cagagcatat agagtatt 278

<210> 10541
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10541

gcttgaacac anaattggag atgaaagatc tatggtcac taggaggata ctcgggattg 60
 atattcatag ggataaagca aagggtgaac tattcttgtc ccaaagcaat tacctcaaaa 120
 aagtgggtgga gaggtttagg atgcatcaaa gcaaacctat tagcacacca cttgggtcac 180
 atacaaagct atctgttatt caagcactag aaatagctga agagaggtct aaaatgaatc 240
 acacacccta tgccagtggg gttggaagca taatgtatgg aatggtttgc agcagacctg 300
 acttatctca tgctgtaagt attataagta gattcatggg agatcctggc agcgcacact 360
 aagaagctgt gaagtggaca ctaaggtatc taaatggat 399

<210> 10542
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10542

tctngacaat gtgtcttgca tactngctnt gagagaggaa tatgggtgtct ttcactctgct 60
 tcactaggag tcccagaaaa taagtcagct ctccaacaag actcatctca aattcagatt 120
 gcatctgttg gacaaaatgt cgaagcatct cattcgacat ccctccaaac acaatgtcat 180
 caacatatat ctgtgctatc atcaagtttt cagcatcttg cttgacaaag agagtcttgt 240

caattcctcc ctctctatac ccttgctgag taaggaactc tgtagcctt tcataccaag 300
 ctcttgagc ttgcttcaat ccatagagag ccttcttgag cctgtataca tgatctggat 360
 gag 363

<210> 10543
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 10543

agcttacctt gtgtgtcaag gtggtttgga ggttatgttc attgttttat ggaacgcaat 60
 gatctctggg tttgctagac atgctcgtgc accataggct atgatcttat ttgagaaaat 120
 gcagcaaaga ggctgttttc ctgatgatgt aacatatgtg tgtgtactaa atgcatgtag 180
 tcatatgggt ttgcatgaag aaggacagaa atattttgat ctcatgggtca gacagcacia 240
 tctttcaccg agtgtccttc actactcatg tatgattgat attcttggtc gagcagcact 300
 tgttcacaag gcttatgact tgatagaaaag aatgccattt aatgcaacta gttctatgtg 360
 gcgttcactt ctaggctctt gtaaaactta tggcaata 398

<210> 10544
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10544

cgtacttgta cttgctatng gcagaatata tgcattactt ctctctttcc aactcatcaa 60
 cgtgagtggg cattntatcc tttttctata attacggggg taataagatg aaacaatagg 120
 gtgatgaaac gaataggggtg tcctctcact gcttgaagca tccaattttt atttttattt 180
 ttatggtaga acatattatc atatcttgga agcatcagct gtgactcggc taaaagctac 240
 cgcggtcttt gagccagatg ggcgccccaa atgcttgccg atgaactcac cggctaacat 300
 gagctttccg agatcaacgt nggttttcac cccaagtcca ttcagcatgt acacaacatc 360
 ttctgtagct acatttctg aagctccctt ggcataagga cagccacctt gaccagcaac 420
 tgaagaatca actgcactga tccccatctg tttagaaaag aaatcaataa cgtccattaa 480
 taacact 487

<210> 10545
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10545

agcttaacat cagaccactt ccaggggtgct ggaactactt cacatggact tgatggggcc 60
 tatgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgctgtgg atgatttctc 120
 cagatttacc tgcgtcaact ttatcagaga gaaatcagac acctttgaat attcaaagag 180
 ttgagtctaa gacttcaaag agaagaagac tgtgtcatca agagaaatac gagtgaccat 240
 ggcagagagt ttgaaaacag caagtcttact gaattctgca catctgaagg cattactcat 300
 gagttctctg cagccatcac accacaacan aatggcatag ttgaaaggaa aaataggact 360
 ttgcaagaag ctgctagggg catgcttcat gccaaagaac ttccctataa tctctgggct 420
 gaagccatga acacagcatg ctatatccac aacagagtca cact 464

<210> 10546
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10546

ctcgagatat tcaaatgggc ataactnttc acttgcattg ntgattctcg cgcacgtgtg 60
 atcgagacgc tagaaataga acaacggaag ctctcgagaa attcaaattg ttataacttt 120
 tcaactcgcat gtccgattca agcgtatata atattgagac gtcgaaatt gaacaacgaa 180
 agctctcgag aaatctaaat ggtcataacc ttctactcgg atttccgatt caggtgcata 240
 acatatcgag acgctaaaaa ttgaacaacg gaagctctcg agatattcaa atggtcataa 300
 ctttttactc ggatgtccga ttcaggcgca cagcgtatcg agacgctaga aattaaacaa 360
 tggaagctct cgaganatgc aaatgggtcat aacctttcac tcgcatg 407

<210> 10547
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10547

ctcaagagcc aagagagacc agtctatggt tgaaggcatg atattggttag acaagttgaa 60
gaattgtggt tggtagcaga tgttgatcat cctccgaaat tcaaggtagc atattttgat 120
agatacaagg ggactacttg ccccaaaaat cacttgaaaa tgtattgccg gaaaatgggg 180
atgtattcta gggacaagaa gctattgatg cattttcttc aatatagttt ggccagagca 240
gtggatcatc ggtataccaa tctggaagct tctcgcatcc actcatggaa agatntgatt 300
actgctttca ttaggcagta ctaatataac actgacatgg ctcccgatag aaccagcta 360
tagaatatg 369

<210> 10548
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10548

taagcttaac atcagaccac ttacaggggtg ctggaacttc ttacatggac ttgatggngc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt angagtgacc 240
atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgccagg gtcattgttc atgccaaaga acttccctat aatctctggg 420
ctgaagccat gaacacagca tgctatatcc acaacagagt cacactta 468

<210> 10549
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10549

ctgagcanat acaaacgacg cataactttt actctgatgt ctaattgagg cgogtaatat 60

atcgagacgc tgcacaatga atgttgaagc tctgagccaa tacaaacgac aatcactttt 120
tactcggatg tctgattgag tcccgttaaca tategagacg ctcgaaattg aatgttgaag 180
ctctgagcca attcatacga caatatactt ttactcggat gtctgattga gtcccgtaac 240
atategagac gctcgaaatt gaatgttgaa tctctgagcc aactcaaacg accataactt 300
ttttctcgga tgtctgatng agtcccgtaa catatcgaga c 341

<210> 10550
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10550

actaagctcg aaggtaacta gatgcctggt aacctggtaa cccaactggc catgaatcan 60
aaatctgcac ctgtcgccag actctgtagt ttatgtcctt ctaccgacca ccacacagaa 120
ccttgccctt ttgtgcaaca atctgaagca attgaacagc ctaaagctta tgctgcaaac 180
atctacaata gacctcctca acctcagcag caaaatcagc cacaacagaa caattatgac 240
ctctcccga acaggtacaa tcccaggtgg aggaggaatc atcccagcct tagatggctg 300
aatccttcac aacaacagca ataacaaca cagccttatt ttcagaatgc tactggccca 360
agcagaccat acgttccttc accaatccag caacaacaac aacagcaaca accct 415

<210> 10551
<211> 396
<212> DNA
<213> Glycine max

<400> 10551

agcttgttct taatgagggg gattaggatt gactccatct tatgaaggat agattcccta 60
ctaaaaggaa atccaagctt atccctagag gggatggacc ttttcagggt ttggagagga 120
tcaataacaa tgcttatagg ttggatctcc cagaagagta tggagtcagc accactttta 180
acatttctga tttaattcct tttgaatgtg gagctgatat tgaggaggag gaactaacag 240
atttgaggtc atatcctctt caagggggag gggatgatga tatcctcctt aggaagggat 300
cagtcactag agccttgaga aagaggtctc aagaggattg ggctagagct gctgaagaag 360
gccctatggt tctcatgaac ctcaatgtat atttat 396

<210> 10552
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10552

taacactgta tatngatttc tttagttggc atactatgtg ttcccttccc tcaactgaga 60
 accccattgg ttggtccata caaacattct cctctaaatc tccattaaga aaggcgattt 120
 tcacatccat ctgatgtagc tctaagtcac aatggggccac taatgccatg attatccnga 180
 aagaatnctt tcgtgagacc gatgaaaaca tctctntata atcaatgtca tctntttgag 240
 taaatccctt agcaacaaat ctagcctttg tacattcaag gtgccatgag agtcacgggt 300
 ggtcttgaag acccacttac aaccaactct tctacaatcc tttggtaatt ctacaanggt 360
 ccaaacacca ttatgttcca tggaatttat ct 392

<210> 10553
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10553

tgaaattcat caaagcctct tggagctcac tgaacgaaga tgtcgaaaga tttcttanga 60
 agcttcatgt taatggagtg ttccctagag gtgcgaatgc atcaatcacc accttgatac 120
 ctaagattga ggatccacaa aatctggggg atcttaggtc catttccactg gtaggatgta 180
 tgtataaaat ccttgctaaa ttcttgcatg aatactaaaa tgtgctttgg tagtgtgatt 240
 gacaaaaagc aaatcgctt cttg 264

<210> 10554
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10554

tcagatggga caattagcta ctcaatngaa tcaacaacag tcccagaatt ctgacaagct 60

gccttctcaa gctgtccaaa acctcaaaaa tgtcagtgcc atttcattga ggtcgggaaa 120
gcagtgtcaa ggacctcaac ccgtagcacc ttctcatct gcaaatgaac ctgccaaact 180
tcactctatt ccagaaaaag gtgatgacaa aaatctacct aacaatttct gtgcaggtga 240
atcttcttcc acaggtaatt ctgatttgca gaagcagcac attccccctc ttccattccc 300
tccaagagca gtttccaaca aataaatgga agaggcagag aaagagatct tggaaacgtc 360
tagaatagta gagggtaaca tacctctgtt ggatgcaata aagcaaattc caagatatgc 420
caaattcttg aaggagctgt gcactaat 448

<210> 10555
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10555

agcttctgga aagaactatt tggaatgtag atttacattc tatattaggt gcagaaagca 60
aatatagagg tgcaagaagc aattgcctgc ataaaaacat tatgtgtagc ccactatacc 120
actctattca gcctatctaa ggagagttat ccctgggga atactattca cccctacact 180
aattgttggt gacccccaac atcattggga aattaccctt ctacccccca acttcaaaat 240
tccttatccc tccctcttcc ctcttcttcc cccttcttag cacctcttcc cccttctcct 300
tctccatctt tgtcccaaac cgacgcctct tacccttctc tttctcttcc tcgtatcgat 360
gccccttctt tntttcttcc tcttcttctc tttctcttcc ccaacccaac ctaaacgaac 420
ccttttctt cttctcttcc 439

<210> 10556
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10556

gtcacctgcg gcatgcaagc ttccaagagt ngaagaggcg gttgacaaca gctccagtgt 60
taattntgcc cgaccctaag agaccatttg aagtgtattg cgatgcaagc gggcaaggct 120
tgtggtgtgt gttaatgcaa gagggaagag tagtggctta tgcttcacgc caattgcgtc 180

ctcatgaagt taactatccg acccatgatt tggaactagc agctgtgggc ttgacctga 240
agatttggag gcattattta tacgggtactc gtnnttgaag ttttagtgat cacaagagtc 300
tcaaatactt gttcgataag aaggaactca acatgaggca acgaagatgg atggagttca 360
tcaaggatta tgattgtggt ctttctacc atccaggaaa ggctaattgt gtagccgacg 420
cgctaagccg gaagtcctta catgtngcga actatgatga gttggagcag agattgatag 480
aggaatttcg agatctgaat ct 502

<210> 10557
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10557

taatcaagat aagtatgata agggtttctc aaatattgaa tagcacatga ttnttctcaa 60
aatatgttta ccaaagagtt ttactctct ggtaatcgat taccatattg ttgtaatcga 120
ttaccagtag caaaatggat ttgaaaaagt tgtcaaattg aatttacaac gttccaatta 180
ttttcaaaaa gctgtaatcg attacacata tttggtaatc gattactagt gcctttgaac 240
attgaaatc aaattcaaat gtgaagagtc acatcttttc acataaaagc tttgtgtaat 300
cgaatacact gatttcgtaa tcgattacca gtgactgttt ctgaataaat caaaagatgt 360
aactcttcaa aagggttttg aacttttcaa 390

<210> 10558
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10558

tatcgtctta tatggacgta tcacttaaaa cacagacgct catatacaga tcatattctg 60
ataatacata tatagataca acttttatca tttgtatttg tttgcatcta atacaaataa 120
ttaggagtc tttttctct ttaagacata aatgtatttt gagttaacat ttaccatttn 180
ttataagaga aaaatttaaa aattatcatc ccaaattta agataataag ttattaacaa 240
taaatttaaa aatattaaat atattattnt atgtcatttg aacaaaacac ttcaagaact 300

aaagcaaaat tataaatatg ataaaatgtg tctaaaataa actaacanaa accaaaatat 360
agaatttata agaactatta aaagtaataa tttataagac caaaatanaa acaataaata 420
cagggttaaaa tgttattaaa ctttatatat tgcattgcatt taataagaga aaaaa 475

<210> 10559
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10559

tcaagaaaat gatggcctca gcanattcct tatttctgga agcatatcca tagaanaacc 60
tagagataga tggctcgaag aggatagaaa acgagtacaa tacaacttaa aagacaaaaa 120
cataataaca tctgccttat gaatggatga atatttcagg gtttcaaatt gtaagagtgc 180
taaagaaatg tgggacactc ttcgattaac acatgaagga actacagatg tttaaagatct 240
atgataaatg cactaactca tgagtatgaa ttatntagaa tgaatgcaaa tgaaaatatt 300
cagagtatgc aaaagagatt tacacatata gtaaatacgc tagcagcctt aggcaaagaa 360
tttcaaaatg aggatcttat aaacaagggtg ttaagatggt taagtagaga atggcaccca 420
aagtaactgc tattctgaat caagagattg tctacatg 458

<210> 10560
<211> 388
<212> DNA
<213> Glycine max

<400> 10560

agcttcgagc tcagcaggag ctacttgga tctctgtat ttgaccaatt cctgaaaccg 60
atcaacaatg aagagttcat tatcatcgc aatgaaacca atatctcttg tgtgtaacca 120
tacttctctg cctatagtac tctctgtagc ctctgcgtca tttagatata ctgaccaacc 180
agaaattgaa catatcaaga aactgtgatg gtgtttgttt gtaacatatt acctttgaca 240
agacttacgc taattaaaat tatgcttgcg gagtcttaca tttattcttg tataatcaat 300
tacacattct ataaccatt aataggcagg tgctcgctga tcagctactt cataaactgt 360
ctattttcat gctataatga tgtgactc 388

<210> 10561
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10561

tataagaatt ccaaattcta caaggagaag accaagaagt tccatgatag ttgtatagct 60
 aagaaggact tcgtggttgg acaaaaagtt ttattgtaca actctatgct cgaactcatg 120
 agtggtaagt tgagggtcaaa gtggattggc ctttttgtgg taactaatgt ttttacttat 180
 ggtacagntg agatcaaaaag tgaatccaca gataagggct tcaagggtcaa tggacaccgg 240
 ctaagactat tcttcacaaa tcttctctta tatgatgtan gtggggagga gacctcctta 300
 cttcacccta cttctctgtc gccatgactt nacggagttt ctttntctgt ctccttcttt 360
 actattattg cactcgtcca aatttattga ttgttttgaa tggctctaat cttatga 417

<210> 10562
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 10562

ctctatgtgt ccttaatgga ggaatctaata cactattaga aaatactctt tcagcatcgg 60
 ttatttagaa cattctacat cggttctaaa accgactttg aaagtgcoga tgttgaatgt 120
 atcaatgtta atatcggttt tgtaaaactg atgttaacat atatatgaca acatcgggtc 180
 tctgaatacc cgatgtttaa cacaatgaac aaaaaaaaaa aaagtgtacg catgatgaac 240
 gttgacatcg gttttgcagt acaaccgatg ttaatatgtt atattaacat cggttgttta 300
 gaaaaaccga tggttaatgta atatatcaag atcgggtctc tacgataacc gatggtaata 360
 tattccatta acatcagtta ttcttaaaaa ccgatgacaa cggttatgat gcatacact 419

<210> 10563
 <211> 466
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10563

agcttaagct ccttcaactg cacaaggctc ttaatanttg aagagtatcc ttgtggaacc 60

ttctactcgac gaagacactg acaaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gttgggggca agtaaatttt ctteccatca gaccttggat gcaactgtga tegtataccc 180
 atatcagcta gatcttgacg ggtattcaag ccctccttcg tcttgccttg aatgttaagg 240
 agcgtcctaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaatgtcaa gatcacacca gtatggaaga tcaaagaaaa tggacctett ctteccatag 360
 caactctgac tnttatectt ctcttgggtc ttctaaata cagtattcag gtgctgaacc 420
 tgctgatata cctactcaet agtcaacggg atcgggtgaat atcatg 466

<210> 10564
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10564

tcaagaatta tggcctcctc aaactacttg tttcccgagg aaattctata aatagacctc 60
 ccctctntaa tggagtgggt taccactatt ggaaaaattg gaaaaccgcg atgcaaatat 120
 ttatagaggc aatagattta aatatctggg aagccataga acaaggacct tatgttcctt 180
 ctatagtggc cggttgtgca acaatagaaa aacctagagc agattggatt gaggaagaaa 240
 gaagattagt acaatataat ttaaaggcca taaatattat tacatctgcc ctaggaatag 300
 atgaatactt tagggtttca aattgtaaaa gtgctaagga tatgtgggat accctacaag 360
 taacacatga aggcacaaca natgttaaaa gatctaggat aaacacatta actcgtg 417

<210> 10565
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 10565

acagtgacaa cgattggggt agagataaat atgatcggtg aagtaccaat ggatttgtgt 60
 ttttcataag gaacacaacg ttcacttggg tgtaaaaaa gtttccaata gtcactcttt 120
 cgacttgtga agcagaaaaac ataacagctg cttcatgtgt tttccatgta gattggctca 180
 cgaatatgtt aaaagagttg ggcatgtcac aagaagagac aaccaagatt tttgtggata 240

ataagtcaac cattgctcta gcaaagaatc cagtgttcca tgatcgaagc aaacatattg 300
 atacatg 307

<210> 10566
 <211> 295
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10566

aagaaagcac tttatgggtt aaaaaaagca cctatgggtt ggtatgaaag attaagtaaa 60
 ttcttattag taaaaaaatt cactcgaggg aaggtagata tcaccttatt cataaagaag 120
 aaggataatg atatcttata ggtacaaatt tatgttgatg atataatctt tggatctact 180
 aatgaatcta tgtgcaagga gttttctatt gacatgcaaa gttagtttga gatgtccatg 240
 atgggtgaag ttaaatactt tcttggacta canatcanna caacaaatga tggga 295

<210> 10567
 <211> 438
 <212> DNA
 <213> Glycine max
 <400> 10567

agctatatca ggaagttgat ggaattcttt gatgacatat cttttcatca cattctaaga 60
 gaggaaaatc agatggctga cgcccttgcc actctagcgt ccatgttcaa agtaagcccg 120
 cacggagatt tgtcgtacat caaatctaga tgccgtagt agcctgcaca ttgcaatttg 180
 atagaagaag aggaggatgg taagccttgg aacttcgata tcaaacgata catcgaagac 240
 aaggaatacc cgcttgaggg ctctgacaac gacaaaagga cattacgaag gttggcgggc 300
 ggtttctctc ttagtggaaa tatcttgtag aagagaaacc atgacatggg gttgcttcgg 360
 tgtgtcgatg taagagaggg cgaacaaatg ctaatagagg tgcacgaagg ggtcctttgt 420
 atgcatgcca atggacat 438

<210> 10568
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 10568

agcttgccac catggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aatgaagag ccaatgggtt atacatgggt ggagatgaaa aggatcatga 120

caaagcggta tgtgccggt agttactcaa gggatttgaa attcaagcgc caaaaactaa 180

cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggtgtgtctca tgattcaagc 240

aaagattgaa gaagatgagg aggttaactat ggctcgattt cttaatgggt tgactaatga 300

tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gatgaattgc ttcacaaagc 360

aatccaagta gagcaacaat 380

<210> 10569

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10569

gtaagccaat tcatacgaca ataactttnt actcggatgt ctgattgagt cccgtaatat 60

aacgaaacgc tcgaaattca atgtttaagc tttgagccaa ttctaacgat aataacttat 120

tactcggatg tccgattgag tctcgtaata tatcgacacg ctcgaaattg aatgttgaag 180

ctctgagcct attcaaacia caataacggt ttactcggat gtccgattca gtgacgtaat 240

atatcgggac gctcggaatt gaatgttgaa cctctgagcc aactcacacg acaataacat 300

tttactcgga tgtctgnatg agtcccgaat tata 334

<210> 10570

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10570

agcttaaaca ttcaatttcg agcttctcgt tatattacgg gacacaatca gacatccgag 60

taaaaagtta ttgtcgtttg aattggctcg taggttcaat attcaatttc aagcgtctcg 120

atatattacc ggactcaatc agacatctaa gtaaaaagtt attatcgttt gaattggctc 180

ataggttcaa cattcaactt cgagcgtctc gatattattac gggactcaat cagacatccg 240

agtaaaaagt tattgccgtt tgaattggct catagggttc aacattcaat tcgagcgtct 300
 cgatatatta caggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgagttggc 360
 tcagaggttc aacattcaan ttcgagcctc ccgatatatt acggcactga atcggaacac 420
 cgag 424

<210> 10571
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10571

agcttcaacc aaggggagat ggaccatttt tagtgcttga aagaatcaat gacaatgctt 60
 acaaagttga gctgcccggt gagtataatg ttaattccac cttcaatgtc tctgatttat 120
 ctctttttga tgcagatgga gaatccgatt ngaggacaaa tccttctcaa gagggagaga 180
 atgatgagga catgttcaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtctg tccatactat 300
 ttgaatacaa gcccaagttt caaggagaaa agtccaaggc tgtgagttgt atcatggccc 360
 anatggagga ggactaaatg acacca 386

<210> 10572
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10572

tccaagttn ttaagttctt cctcanaact gtcctaagca aagttcccaa agtcctatta 60
 acaacttccg tttgcccatc ggtttgtggg tacaagtggg tgaaaataac aatgtagtgc 120
 ccaacttgct ccacaaagtc ctccaaaaat ggcttaggaa cttagagtcc ctatcactaa 180
 caatgtcctt tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat 240
 gggaagcatc atcaattttt ttacatggaa taaaatgagc cattttagaa aacctatcaa 300
 caaccacaaa aatggaatct ctaccattgc ttggttttgg cagccccaaa acaaaatcca 360
 tgataaatc aatccaagga tactccgaaa ttggcaatgg agtatacaat ccatg 415

<210> 10573
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 10573

```
tgtagcatat tcaaacgacc ataactttta actcggatgt ctgattgagg cccgtaatat 60
atcgagacac tcgagattga caacacaagc tctgaggaaa tgcaaacgac tataactttt 120
tactcggatg tctgattgtg tcccgtagta tategtgacg ctcgaaattg aaaacataag 180
gtctgagcaa attcaaacga caataacttt ttactcagat gtccgattga gtcccgtaat 240
atatcgagat gttcaaatt gaaaatagta gtcctagca aattcaaac ataataaatt 300
tttactcgga tgtccgattg agtcccgtag tgtatcgaga cactcgaaat cgaaaacaga 360
agctctgagc aaattcaaac gacattaact tttttctcgg atgtacgatt gtgtcactta 420
gtatatctag acgctcgcaa ctgaaaa 447
```

<210> 10574
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10574

```
cgacctgtcg gcatgcaagc tttcattttc attataagcg tctctatata ttacgggact 60
caatcggaca ttcgagaaaa atgttattat cgttagaatn tgctcagagc ttccgttttc 120
aattacgagt gtctcgatat attatgggat ttattcggac atccgagtaa aaagttattg 180
tcgttttgatt ttggtcagag cttctgttct gaattttgag cgtgttgata tactatggat 240
cacaatcgga cattcgaata aaaagttatc atcgnctctaa tttgcttaga gcttttgtga 300
tgtgaacctg aggagaagca gatcgtttga tacatgctac ggagggtttg gtgatgccac 360
ttccaaagag ggaagaatag tcagggtaga cgccactttc aatg 404
```

<210> 10575
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10575

agcttctata ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
ctatcttact ttntacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt ttatatactgg ttcgccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360
aca 363

<210> 10576

<211> 361

<212> DNA

<213> Glycine max

<400> 10576

tgtaatcgat tacatcattt gtgtaatcga ttactagtca caaaaatttt tatctcaagt 60
ttgaagagtc acaactcttc agaaactaac tgtgtaatcg attaccacat ctatgtaatc 120
gattactatt aagaaatttt ctaagataac tctcaagagt cacaactggt caagaagttg 180
ttgaatgacc attatagacc tattactagg tgacttggga tacgaaagtc cttagagttt 240
ttctgaataa cattgactta tcctctcaaa accaaattgt cttatcactc tcacaatatt 300
ccttgaccca aacacgtacg aattcgataa cgaatctcga tcgatcttca tttgtatgtc 360
a 361

<210> 10577

<211> 341

<212> DNA

<213> Glycine max

<400> 10577

taataaatct atatatgggtg tatagcaagc ttcccgttag tggtagctta agtgtcatgg 60
gataatttct tcatttgggt ctgatgataa ccccatggat caatgcatat accacaaggt 120
cagtgggagt aaaatatggt ttcttgtttt atatgtagat gatattttac ttgcagccaa 180
cgatcggagt ttgctacatg aggtgaaaca atatttctct aagaattttg acatgaagga 240

tatgggtgat gcatcttatg tcatcggcac taagattcat agagatagat ctcgaggtat 300
 tttgggtcta tcataggaaa catatattaa caaaattcta g 341

<210> 10578
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10578

tctgataagg taaagatgat taggtaaaag ttgaagggtat cacaagatag acataaaaagt 60
 tactatgata aaaggagaaa actcgaattt caagaagaag atgtgttttt gaaagttaca 120
 ttgataactg ggttgcgagg acccttaagt tccgaaaact ctctcctaaa ttcattgggc 180
 cctaccaaatt tcttaaaaga gttgattcca ttgcatatca aattgttnta cctccaaatc 240
 ttcacaatgt gttccacggg tctcaacttt tgaaatatgt ntttgattct tcccgtgcga 300
 ttgaacctga tgtagtacia tt 322

<210> 10579
 <211> 142
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10579

tctcgatata ttatgcgcct gaatctganc cccaattgaa aagttatgac catttgaatt 60
 gctcgtgagc ttccgttggt caatttcgag cgtctcgata tattatgcgc atgaatcgga 120
 cctncaagtg aaagttatga cc 142

<210> 10580
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 10580

tgaatccgcg gccacctcat ggacttctct aacaacaata acatcattta ctgcactgaa 60
 ttgttgggag ttggaagcca tcttcataat caaattccta gcttcagcaa cggttatatc 120
 accaagagct ccaccactgg tagcatcaat catactccta tccatgttgc taagtacctc 180

atagaaatat cgaaaaacga gttgctcaga aatctggtgc gggggatagc ttgcacacaa 240
 tttcttgaat ctttcccagt actcatacaa gctttctcca ctaagttgcc tgatgcttga 300
 aatgtcattt ctgatggcag tggctcctaga tgcacggaag aatatctcca agaacacct 360
 c 361

<210> 10581
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10581

cytgacacta tattgtactc attctagtca canaaggaaa caagttaaaa attattttca 60
 aagtaaaaac gttgtttcta cttcaaaact ctttgaacta cttcacatag acttatttgg 120
 tctttccaga actatgagtt tgggtggtaa ttactatggc ttagtaatta tagatgatta 180
 ttcaagactt tgcttttgaa aacccaaaat gaagcttttg atgcttttcg caaacttgcc 240
 aaggttattc aaaatgaaaa aggtcttaac attgtttcaa ttagaagtga tcatggagat 300
 gaatttcaaa atgagtcctt tgaaaagttt tatgaagaaa atggaattca acacaatttt 360
 ttttcccaa gaacacctca acaaaatggg gttgtggaga ggaaaaatag atcccttgaa 420
 gaaggagtta gaactcttct aaatgaaac 449

<210> 10582
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10582

gcttgtgcat ncatacctng atgaggatgt cccatatgtt cttaaaactg gactgattca 60
 tttgttcca aagtctcatg gccttgagg tgaagaccg cacaacatt tgaaagaatt 120
 tcacattgtc tgctccacca tgaaagcccc agatgtccaa gaggatcaca tatttctgaa 180
 ggctnttctt cattcattat agggagtggc aaaggactgg ctgtattacc ttgctccaag 240
 gtccatcacg agctgggatg accttaagag agtattctta gaanaaattt tccctgcttc 300
 caggaccaca accatcagga aggatattctc aggtattaga caactcagtg gagagagcct 360

gtatgagtac tgggagagat t

381

<210> 10583
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10583

ttcaaaagtt ttaagcattg gatgattctt ataaagaatt agacggtnaa gtgtcttaag 60
ttaaactata gcttgggaatt ctgttctact gaattcaatg aattctatgg agatgaaggc 120
atagcgagac aacataatgt atgctatact ccacaacaaa atggagaata tgaaggaatg 180
aataagacct tgttggaaag gatgagatgc atgctatcta attcatgatt gaatataagt 240
ttctaagttg aggcaatcaa cacaacatgc tatctcgtga attggcaacc aacactacca 300
caaacttcaa cacccttatt gaggtatggg ttagaaaatt ggttgaatac tcaatgttga 360
gggaactgat tggacgagtc aaaaccattc gaagtagcct aaaaccacaa caccagaaa 420
gt 422

<210> 10584
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10584

agcttctata ctttatacaa gaataaagct ctggtaccgc ttgttaaaca agtggcctca 60
attatcttaa gaaagggggg tgaattaaaa tacaaaaact atccccctta ttaaaaattt 120
aactttttta tattaaaaat gcaaccctta ttatgagtta ctctaagaac aattcanaac 180
aaactttctt aaagcgaaat ataaacaata ataaataaaa gaagtttaag ggaagagaga 240
atacaaactc aatttttata ctggttcagt cagccctat gcctacgtcc agtccccaaag 300
caacatgctt gagatttcca ctatcttgta taaagccttt tacaaagttt gaaccacaca 360
gtagcaaccc ttcccttggt ttcaaataac cttacaactt a 401

<210> 10585
<211> 384
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10585

tettcaactc accaatgtca tctggtaate tggacagact tacacaatct gagatgtcaa 60
gacagcttag cttgttaagc cctttaacag aatctggcat ctctaccaa tcagagcaag 120
aacatagcct tagcacttcc aaattctcca gcttcgcaat atcttgtggc aatgcagata 180
gcctgtgaca gttagtata ctaagcttct tcaatggggg gatgttactc agcccatcgg 240
gcaatttaac cagatcatta caatagtcaa tgctcatctc cacaagattt ggcattgcat 300
ctgagatttg gatagaacag ntttcaaaag cctgcctcgt attacacata tgaagggaca 360
atcttcgcag attcttcaat atgc 384

<210> 10586

<211> 455

<212> DNA

<213> Glycine max

<400> 10586

tcgtaccgg gttcctctca gtcacctgcg gcatgcaagc ttgatacctt gcacacaagc 60
aaacactaag cataatatct gggtgacttg cagttaagta aagaagtga ccaatcatac 120
ctctatactt tgactcatcc attgatttac cgttttcatc taagtcaaga taagtcatg 180
ttgtcattgg tgttgatgct tctttgcact ttttcatggt gaatttctta attagttatg 240
tacaatattt tgtttgacat aggaagggtc catgtttcat ttgcttgact tgaagtccaa 300
ggaagaagtt caattctccc atcatagaca tctcaaattc tttctgcatt agtactggaa 360
aattccatac acgaagtttc attagtagca ccaaagatta tatcatcaac atacatttgc 420
acaatgaaca actcatttgt taatctcttg ataac 455

<210> 10587

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10587

tgtgcattca atactctgat aagggtgttc catatgttct caagactgga ctaatacatt 60

ngctgccccaa gtttcatggg cttgcagggt aagatcctca taagcatctt aaggagttec 120
 atattgtttg ttccaccatg aagccgccgg atgtccaaga atatcatatc tttctaaagg 180
 ctcttctctca ttctctggag ggagtggcaa aagattggct atactacett gcccccaagt 240
 ctattttcag ttgggatgac ctttaagagg tgttcttgga gaaattatc cctgcatcta 300
 tgaccactgc catcagagaa gacatttagg catcangcaa cttactggag aaaccatgta 360
 tgagtactgt gaaagattc 379

<210> 10588
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10588

gcttgtgacc atttgaataa ctcaagagct tccattgttc aattntgagc gtcttgatat 60
 attatgcgcc ttaatcggac ctgcgagtga aaagttatga ccatttgaat aactcaagag 120
 cttccattgt tcaatttcga gcgtctcgat atattatgtg cctgaatctg acctccgtgt 180
 gaaaagttat gaccatttga atttctcgag agcttccgtt gttcaatttc gagcgtctcg 240
 atatcttatg cgcctgaatc ggacctctga gtgaaaagtt atgaccattt gaattactca 300
 agagcttcca ttgatcaatt acgagc 326

<210> 10589
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10589

atgaatggag ggagagggag aggtagagaa naagcactaa atttatgcct canataaggt 60
 ctgaactntg aagtgttaatt ctcaaatgat caaagttgaa aaaatatata cacatgacct 120
 ttatttatag cctaagtgtc acaaaaaatt aaagggaaat ttgaacactt gaatttgaaa 180
 ttgaatttgt ggagccaaaa tttcaciaat tgttgtgtat cctacattta aagatgcctg 240
 ttttgcattg ggctttcttc aagatgataa ggaatatgtt gaagcaattt aagaagcaaa 300
 aaattggggt acaggtcatt actttataaa actttttgct acaatgctaa tcaca 355

<210> 10590
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 10590

```

tgatgatcga tacaacagtc aacagctgat aaagagaaag cataatagca ctgcaacgat   60
tcaacatgca ttgaaaagac acaagtttat ttccaccga cgctggtagt cttcgaacac  120
attgacattt tgttgcacgt aacataccat gacgagattg caaagcaagg ccatatatat  180
aataacttgc atgggttgga agggatcac actctaatta agggcacttg cgtctgccac  240
cgtgggtggt gagactggca taacaggga acacttcttg gttaccgga gttcccggtg  300
gcacgcagtt gcagcgtctg cagcaagttc cacatgctct gtgacacatg cgttgacgag  360
atgctaaacg gcacctcgca gcacatgcag cattacaatc tgaaatcaat tcattattca  420
agttagtaat tagttc                                     436
  
```

<210> 10591
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 10591

```

ctttaaccgg cttctaaatg atatgttcgg aatgcagttt aagaagcaat tatcaattta   60
ataatgttct ttaaacatgc aagacaaaat ttattgcaat aataaatgag ataaggaaag  120
agagaaatgc caacttgatt tatactgggt cgaccacttc ccgtgcctac gtccagtcct  180
taagcaaccc acttgagatt ttctactctc ttgttaaaaa tctattaca aagtctgaac  240
cacacagggg caatccttcc cttgtgttca gcaattctta caacttaaga gacctcggt  300
cctttaatca atctctttga aaagatgaag aagacaaact ctctctttat gagaaagata  360
ttac                                             364
  
```

<210> 10592
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10592

atgtgaagct cctgttntag cnttaccga ttatactcat ccatttgaag ttgaatgtga 60
 tgctagtggg gttggcattg gggetgtttt gatacaaaac aaaaggccta tagcttattt 120
 ctggagagaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180
 cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaactact ttatattgca 240
 ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300
 taaatgggtt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360
 taatgtggtg gctgatgcac tttcaaggag gtatgctnta atttcaattc ttgaaactcg 420
 tttacttg 428

<210> 10593
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10593

ttngaactcag tggaaagagg tatggacttg tegtgggtcat ccactctaaa tggatatgtg 60
 tcatgttccct agtcacaag gatgagtctt agtgccctct ttaaattttg taaaagattt 120
 caaaatgata aaggagtatg cattacttca atcagaagag atcaagggggg agaatttgag 180
 aatgaaaatt ttcaactggt ctatgatgaa aatgttattc ttaataattt ttcaactcct 240
 agaacatcaa tagaatgaaa tagttgaaag aaaaaacata tctttgcaag agatggccaa 300
 catcatgctc aatgataatt taacccttaa gcacttctag gctaaagcaa tgaataccac 360
 aacanaattt atataagggt aatacttaaa aagactccat atgaattatg gaatgga 417

<210> 10594
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10594

ntgggctaatt tcaaacgaca attatccttt gctcggtatg tctgattgag tcccgtaata 60
 tattgagacg ctcgaaattg aattctgaac cttagagcta atgcaaacga caataacttt 120
 ttactcggat gtctgattga gtcccgtaat ctattgagac gctcgaaatt gaattctgaa 180

ccttagagct aattcaaacg acaataactt ttactcgga tgtctgattg aatcccgta 240
 tacatcgaga cgctccaaat tgaatgttga agctcttagc atattcaaac gacaataact 300
 ttttactccg atgtctgatt ggagtcgaa tacatga 338

<210> 10595
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10595

agctgcatga ttacatctcc ctctttctca agaaaattct tttaatatca tcaaaatctt 60
 catgatttac aacctggat ggaggaatca cctaattctc agatgggtcca gccctcagca 120
 acaacaacag cagcccgtc ctctctttca aaatgctgct ggcccaagca gaccatacat 180
 ttctncacca gtccaacaac aacaacaacc ccagaaacag ccaacagttg aggccctcc 240
 acaaccttcc ctgaagaac ttgtgaagca aatgactatt ccaaacatgg cagttcaaca 300
 agagaccaa gctttcatc agagcttgac ttatcaaatg ggacaattag ctacacaatt 360
 gaatcaacaa c 371

<210> 10596
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 10596

ctattcccaa tggcaaatca cataacaaat ttttaagata ctcagcctca ctagtagcag 60
 tatctaaagc aataatttct gtttccatgg tagaacgtgg aataatagtt tgtttagtag 120
 atttccatga tactgcacca ccagctaaag taaaaacata accacttgtc gattttgttt 180
 catcagaata aaaaatccaa ttgcatcat taaaccctc aattactgta ggaaaacatg 240
 tataatgaat gccataatta atggttcctt ttaaaatact ctttctaag caatccaatg 300
 agaatgatta ggaatattat tataccttcc taactacca actgcatata caatgccagg 360
 cctagagaag tttgtcaaat gcaaaaaaga accaataatt tgagaatatt tatatgaaga 420
 agttccttta ctc 433

<210> 10597
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10597

tgttgtattt gctaagttct atgtcacaa acatttaattg ttctttgctt aataagcttc 60
 ttatttttag actttgttgt ttttttttta ttattagaag taatctatgt gtcattattag 120
 atggttttaga actaagtttc agttgtttat ataaataatg attgtttatg agtaaaaaat 180
 attttcttat tattcaaaga gataatttaa gagttattta aaattatata attaaaataa 240
 aatatatgag ttgtttaatt ataattgtgat attgtagtaa ccaattaata tacgataaaa 300
 aaactcagaa taaattactt aaattatacc caatggaaat gctattggtg gtattgcaat 360
 gatcttttta atcaaaatag agtaattata caaattattt at 402

<210> 10598
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 10598

gcttctgaat gctctttcaa gtacttttta agccaatcaa acgaaacctg cgtgcaccac 60
 aaattagata acgatatcaa tccatcagct aataattcta aagaggatat atattttttc 120
 ttgtgatgac ttgaagttc taactatatg tacacttact tgattttctg ccaaccccat 180
 ttgaataact cctgagggat tggctaattc agcatagggg ttctcatcat aggttttcca 240
 cccacaaaaa taacgggaat ctccccgtg agtttcataa actgcaactt ttgaaagctc 300
 cacacagggg tgctccatct caatacccat agctagctag ctctctggca aaagagttga 360
 ttactcaatt acagaaagca gacagctgct gtgagtaaca caaagata 408

<210> 10599
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 10599

agcttcgcaa aatttatttt tctggaagac caattactaa gtctctccta actagatgat 60

tgagatgatg catgtttatg tgtgctgtcc tacgatgcca caaccaagaa tcatttatct 120
 tacttaccaa acaactcagc tcatgaaatg atgcatgctc aatgtttaac atatagatat 180
 tacctattct cttgccaata tggacaacct cactagacgt agattcacca ataagataac 240
 aattcttatt gaattcaatt ttgaagcctt tgtcacatag ttgactaatg ctcaggaggt 300
 tatgtttag tagcatccaca tatagaacat tctatatct 339

<210> 10600
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 10600
 agcttacaaa aaaagtcctt acaacaaaga ctactcaaaa tgccttgaaa tacaaggcta 60
 aaatcctata ctactagaat ggccaaaaca caaggcccaa aagaaggaaa aacctattct 120
 gatatttaca aaaaagagtg gatccaacct tgacctatgg gctcaaaaat ctaccttaag 180
 gttcatgaga accctagggc attctttagt agctctagcc caatcctctt ggagtcttct 240
 atccaatacc cttggggggg aggattgcat cacaatcctc atctcctcct ttctcggtt 300
 gagttattaa ttgctcaaaa tcaacatccg ggtcctcag 339

<210> 10601
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10601

atatatcatc atgtttatat ncttattatt gtaagaatga ccataatatc tgtatgtaaa 60
 ttaaactagt tntctaggtt tctaaccata atatatgtat ttttcaaaac ttccatttca 120
 aagaaaataa tatntattat tntaagttca aaactcagag aggaaaaaat gcatgcaaac 180
 aaattcaaat aataagtatt ggctaaaata gttttattat gaaattaaat tctntaagga 240
 taaataattt catttttcgg aatatttgat attttgaatt ttatttgatc cttannagta 300
 acattgtaac aataaaataa tatctttcaa agtttatg 338

<210> 10602

<211> 326
 <212> DNA
 <213> Glycine max

<400> 10602

agctttccag caactcctct ttgcacaagc cactcatgcg cgacaagact gtgctggtaa 60
 cgggaggagc cggttacatc ggcacccaca ccgttcttca gctcttgctc ggaggttgca 120
 gaaccgtcgt cgtcgacaat ctgcacaatt cctccgaggt ttctatccac cgagtcaggg 180
 agcttgccgg cgaatttggg aacaacctct cctttcaciaa ggtgctcctc ctcttcttat 240
 tgctgttttc attcaatttt gatttggtcg gtgccttttt ctcgtaaaca aagattattt 300
 cgcttcgtgg cttgtgtttt tcggga 326

<210> 10603
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 10603

agcttaataa atctatatat gcttttaaacc aaacctcctg ccagtgggtac cttaattttc 60
 atgggataat ttcttcattt ggttttgatg aaaaccccat ggatcattgc atataccata 120
 aggtcaatag gagtaaaaata tgttttcttg ttttatatgt agatgatatt ttacttgctg 180
 ccaatgatca aggtttgcta tataagggtga aacaatttct ctctaaattt ttgacatga 240
 aggatatgga tgatgcattc tatgtcattg gcattaagat tcgtaaagtg atagacctta 300
 aggtatttta tgtctatcac 320

<210> 10604
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10604

tatgcagggt gaaagccttt gaggaagag gtatgcctat gtgggtgtgg atgatttctc 60
 cagatntacc tngtcaact ntatcagaga gaaatcagac acctttgcaa ctgtcaagca 120
 cttncacatc tntggaagtc catgttacan tttggcagat agagagcaaa ggagaaagat 180
 ggatcccaag agtgatgcag gaatattcct gngatactct acaaacagca gagcatatag 240

agtattcaat tccagaacca gaacagtgat ggaatccatc aatgtgggtg ttgatgatct 300

<210> 10605
<211> 340
<212> DNA
<213> Glycine max

<400> 10605

agctttgaga aaaatcaaac gacaataatt tttaactcgg atgtccgatt gagaccgta 60
aratatcgag acgctcctaa ttgaaaactg aagctctgag caaatTTaaa ggacaataaa 120
ttttcactct gatgtccgat tgtgtcccgt aggatatcga gacgctcgta attgaaaacg 180
gatgctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccaa ttgagccgtg 240
taatatatcg agacgcctga aattgaaaac ggaagctcta tgaaaagtca aacgacaata 300
acttttaatt cggatgtctg attgagtcct gtaatatatc 340

<210> 10606
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10606

gattttctac tgccatgatt aggtcatctg tagttntagg agcctctntg tgttgtaatg 60
accgaatgac attaaagaag ccaagatcta agacgttaaa atctagcgag tttagggggtt 120
gagaaaccaa tcgaatgtca aaatcgccct cactagcagc ttgatggaag tcgttgatcat 180
cttcatcaat gtgacatgga acattgtctt gttgtatgaa aatattttct cctctatctc 240
cta 243

<210> 10607
<211> 338
<212> DNA
<213> Glycine max

<400> 10607

agcttttagtt cactgctttt atagtgcacg atatgcttcc agaggaaaac acattgtcta 60
aaagttacta tcaggcaaag aagatactat gtccgatggg tatggagtat cagaagattc 120

atgcttgccc gaatgattgc atattgtatt agacatgaat ttgaacaaat gtccaaatgc 180
 cctaggcgtg gggatatcacg atacaaagtc aaggatgatg aggagtgtag tattgatgaa 240
 aactcaaaga agggcccccc agtgaagggtg ttgtgggtatc taccgatcgt tccaagggtt 300
 aagcgtcctt ttgctaattg agacgacgct aaagacct 338

<210> 10608
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 10608
 agcatccaca aactgctggt ggcaattgac tcacaaatca tagcacggcc gagaatttgg 60
 tcatgagaat caacacgaag acgaggtgga ctaccaacac tccagacagg ttggatctca 120
 tgggctagag catctatctg taactgccc ccaactccagg cagtcaccaa aatacaatct 180
 gtgctgacta aattgtaaag aaaactaaca gcacgacctt cacattctgc actacgacca 240
 actgaatctt cattcccac ctagacctact ctctgcagag gtccctacaa aatcaaaaga 300
 cataaagtag agtcataata tgtaacactg cc 332

<210> 10609
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10609

cttcagactg atctacactn gcacagtggc caaagatgca tgggagatcc tgataatcac 60
 tcatgaagga acctccaaag tgaagatgtc cagattgcaa ctgttggcta caaaattcga 120
 aaatctgaag atgaaggagg aagaatgtat tcatgacttc cacatgaaca ttcttgaaat 180
 tgccaatgct tgcactgctt tgggagagaa gatgacagat gannagctgg tgagaaagat 240
 cctcagatcc ttgcctaaga gattngacat gaaagtcact acaatagagg aggcccaaga 300
 catttgcaac atgagagtag atgaactcat 330

<210> 10610
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10610

```
tgcgctcnatt aacanatcca atatcatagt cattgcctta tcgcttaatc cacacaaaac   60
ttttatatga tataatttga ttataaatc taattntgtg tacttgcttc cttcatacaa  120
tgtttggtc cgcctctta gaagctcata aaagccatta tgatcttctc ttggttcacc  180
atttactatt tcattctcat ttagtggttg tgatgcacct acattagggt catgttgcc  240
atattgttca natgcgtcat tgatcatcat ttccattggg ttntgaggtt gaacaccact  300
atcttganaa catcttca                                           318
```

<210> 10611
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10611

```
tactcagctt cgacatgata atggagacac atgaacagcg ctaggcaatg acattcatgg   60
tgctccgaac aaaggcggag tatggaggat tggcttgatg gtccacactt angcaattat  120
gaaactcagc tccaaactcg aaagtggagg acacacgaac aaccctaagc aagaacattc  180
atgtggctcc gaaaaaggac gagaatggag gattgccttg agggctctct cttagggaat  240
catgaaacac agctccaaac tcanaagtgg aggacacagc aacagcccta agcaagaaca  300
ttcatgt                                           307
```

<210> 10612
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10612

```
gagagccatg agggcggact catgggccac tntgngatag acaagacct tgtcttactc   60
annagaaagt tntattggcc ccatatgaag aaagatgtcc ataagcattg cactaagtgt  120
gtggattggt tacaagccaa gtctagggtg atgcctcatg ggctatacac acccttacct  180
atccctttct caccttnggt agacattagt atggactatg tccttnggt tcctagaacc  240
```

canagaggtg tagactctat ctttgtggtg gtggataggt ttagcaagat ggcacactnt 300
 atatc 305

<210> 10613
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 10613

agcttgcttc tacaggggtga cctattggag gtcaccaact tacttccaat gaaaggcctt 60
 cttgttacia aatttgaaag caatgaaggt aagtaaattg tcaattacia aattataaaa 120
 aggtcctcaa ttttgggtgtg tgttctttct ttgggtgattc actcaatttg gagtgtcttct 180
 tagcccaata gctcttaagg tgggtgaccc cttgcttctt gactcaaatt cttcaaggga 240
 tgacatcaat cctcctttcc aattccctat atggcaactc acaaacaagg aaacaaagag 300
 acaagaaata accaaagaca aaaaaaaaaa tg 332

<210> 10614
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10614

aagttattgt cgttttgaat tgctgagagc ttcaacattc aatttcgagc gtctcgatgt 60
 attacgggac tcaatcagac atcgagtaga aaagttattg tcgtttgaat tagctcagag 120
 attcagaatt caatttcgag cgtcccgatg tattacggga ctcaatcaga catctgagcg 180
 aaaaagttat tgcngtttga atttgctgag agcttcaaca ttcaattctg agcgtctcga 240
 tgtattacgg gactcaatca gacatccaag ataaaagt 278

<210> 10615
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 10615

agcttagagc taattcaaac gacaataact ttttactcgg atgtctgatt gagccccgta 60
 atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcctcg aaaatatcga gacgctcgaa attgaatggt 180
 gaagctctca gcaaattcaa acaacaataa cttttaactc ggatggctga ataagtcctg 240
 caatacatcg agacgctcaa aattgaatgt tgaagctctc agaaaattca aacgacaata 300
 acttttttcc ttagatgtct gattgagacc cgtaatatat 340

<210> 10616
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10616

cgctgcatgt acacgtctat cttggctaga aagcanaggc atgtgaatgt gatgatgaca 60
 gaggaagaga gggcacactc ccaacaaagg caaagactcc tttagccatt cccgggttgt 120
 gctctctctc ttctgtcaac atgagatata tcacatcact catcacagtc cattcccaac 180
 caccaataga acccttcaag acatgcattt ctactcgtga tcaagatcac cctgtccatt 240
 atgaacaata acaccatcat gcatgcattt ggataagacc atacatatat aataattata 300
 tggcangtgg acctttcgtg tatcaaaaca agcatatttc taattcttta naattgcttt 360
 ttccctactc tattcttggg ctacatatgt atatttatat tacccaataa ttaaatacat 420
 aactacagtt tatt 434

<210> 10617
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10617

agcttggact gacgattgat gaagatgctg gtgaagcaga tgctgacatg cctcctcttg 60
 aggacgctga tgcagatgct gagggtagca agatggaaga agttgattaa atctgactta 120
 attgcctgtt acgttttttag aaacaatgat tggagaaaca gtctttttac tatgttttat 180
 gttttttgaa ttttcgaaat tttggaacgt tggctagtta ggtgccgtat gtagtagttt 240
 ctttatggta aatttgtgtc cgctccctgg ccaatgaatt tgtgctttct tcgtataatc 300
 gtgtatgctg attgcggaag tttcagttcg ggaatg 336